



## Mid-Size Mower

### ProLine Hydro 15hp with 36in Side Discharge Mower

Model No. 30524—230000001 and Up

## Parts Catalog

### Ordering Replacement Parts

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

### Understanding Reference Numbers

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

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

### Service Assembly Reference Numbers

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

For example, a wheel assembly might be identified by reference number **6**, the tire by **6:1**, the valve by **6:2**, and the wheel by **6:3**. When you order the assembly identified by reference number **6**, you receive all parts identified by reference numbers **6:1**, **6:2**, and **6:3**. However, you may also order any part individually.

Reference numbers of this type appear in illustrations and in part lists.

### Reference Numbers Indicating Quantity

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

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

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| Valve/Camshaft Assembly                      |      | Label Assembly                 |      |
| Kawasaki FH451V–BS04 .....                   | 18   | Kawasaki FH451V–BS04 .....     | 27   |

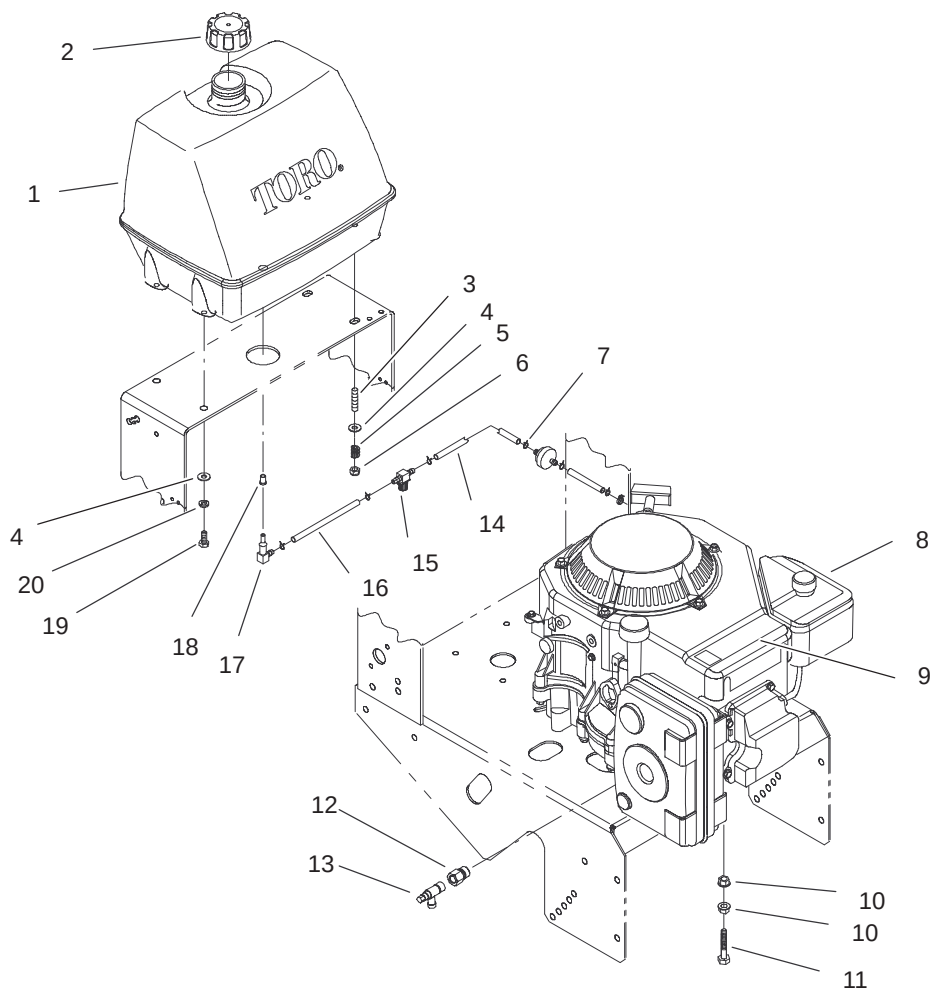
## Accessories

| Description           | Model / Part No. | Description         | Model / Part No. |
|-----------------------|------------------|---------------------|------------------|
| Recycler Kit .....    | 30142            | Parking Brake ..... | 106–2746         |
| Bagging Kit .....     | 30198            | Atomic Blade .....  | 104–8590         |
| Low Sail Blades ..... | 103–2508         |                     |                  |

## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

| Abbreviation | Meaning                | Abbreviation | Meaning                 |
|--------------|------------------------|--------------|-------------------------|
| 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  |
| HLH .....    | hex lag head           | SHH .....    | slotted hex head        |
| HJ .....     | hex jam                | SQH .....    | square head             |
| HOC .....    | height-of-cut          | SHWH .....   | slotted hex washer head |
| HS .....     | hex socket             | SPH .....    | slotted pan head        |
| HSBH .....   | hex socket button head | SRH .....    | slotted round head      |
| HSFH .....   | hex socket flat head   | STD .....    | standard                |
| HSH .....    | hex socket head        | TAP .....    | self tapping            |
| HWH .....    | hex washer head        | TTH .....    | Torx truss head         |
| HWHTF .....  | hex washer head        | WH .....     | wing head               |
|              | thread forming         |              |                         |

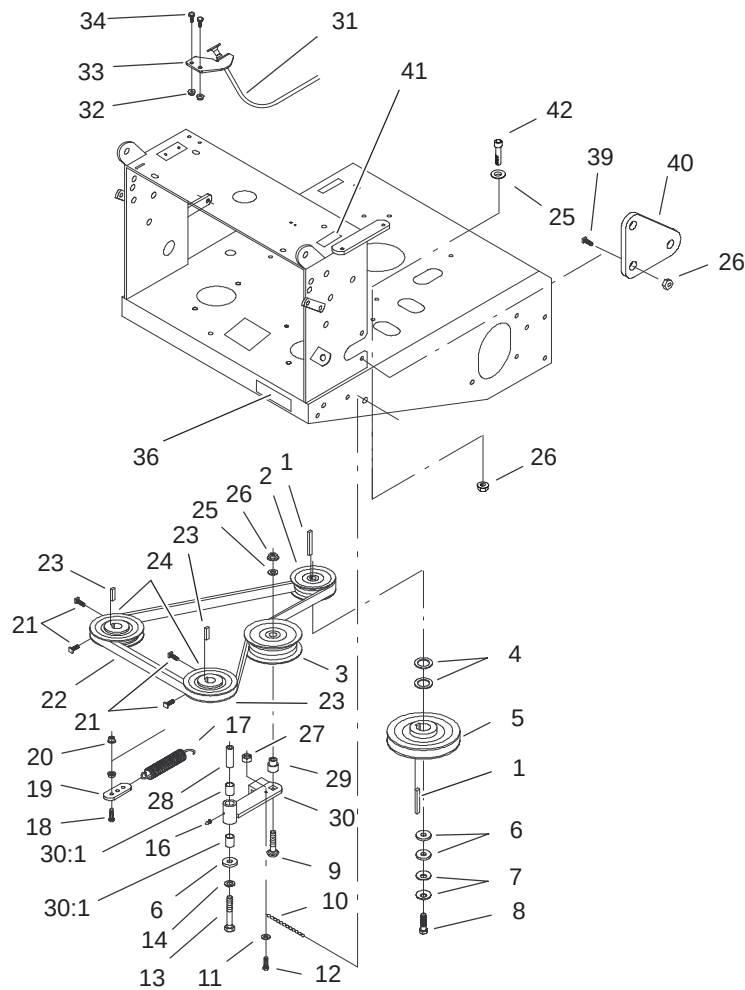


Sheet No.:2

## Engine and Fuel System Assembly

| Ref. No. | Part No. | Qty. | Description                     |
|----------|----------|------|---------------------------------|
| 1        | 1-323551 | 1    | Tank-Fuel                       |
| 2        | 1-513508 | 1    | Cap-Fuel                        |
| 3        | 1-633023 | 2    | Stud                            |
| 4        | 3256-23  | 4    | Washer-Flat                     |
| 5        | 1-633349 | 2    | Spring-Tank, Fuel               |
| 6        | 3296-47  | 2    | Nut-Lock, NI                    |
| 7        | 1-303077 | 4    | Clamp-Line, Fuel                |
| ☆8       |          | 1    | Engine-Kawasaki,<br>Fh451v-Bs04 |
| 9        | 63-8440  | 1    | Decal-Surface, Hot              |
| 10       | 3290-357 | 2    | Nut-HHF                         |
| 11       | 323-13   | 1    | Screw-HH                        |
| 12       | 103-1966 | 1    | Adapter                         |
| 13       | 103-1965 | 1    | Valve-Drain, Oil                |
| 14       | 1-303022 | 1    | Hose-Line, Fuel                 |
| 15       | 1-603770 | 1    | Valve-Fuel                      |
| 16       | 1-603955 | 1    | Hose-Line, Fuel                 |
| 17       | 1-543277 | 1    | Elbow-Tank, Fuel                |
| 18       | 1-513645 | 1    | Bushing-Valve, Fuel             |
| 19       | 322-3    | 2    | Screw-HH                        |
| 20       | 1-805005 | 2    | Washer-Lock                     |

☆ Not serviced separately

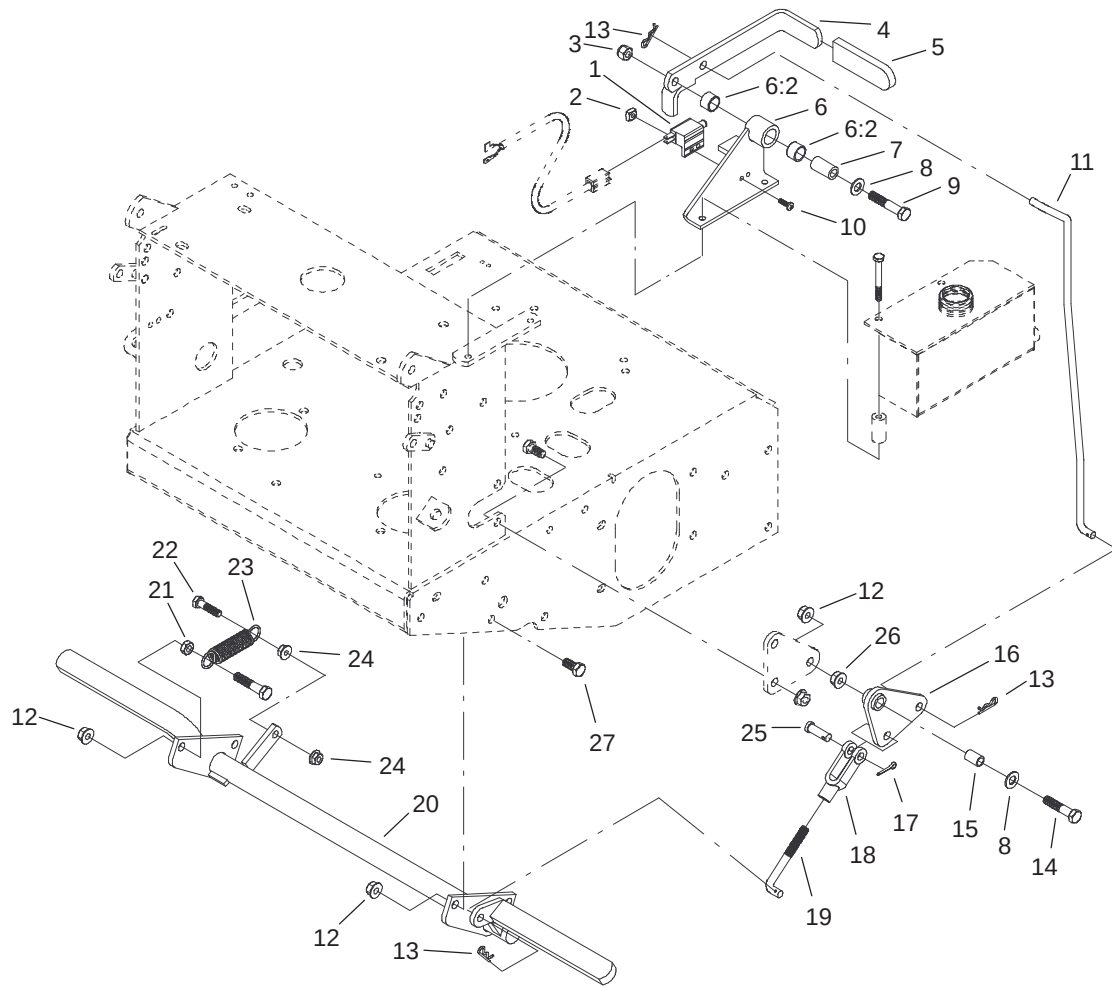


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## Transmission and Drive Pulley Assembly

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 1        | 1-807259 | 2    | Key                |
| 2        | 1-653035 | 1    | Sheave W/Hub       |
| 3        | 1-603843 | 1    | Pulley-Idler       |
| 4        | 1-523157 | 2    | Washer-Spacer      |
| 5        | 103-1668 | 1    | Sheave             |
| 6        | 1-373034 | 3    | Washer             |
| 7        | 1-603610 | 2    | Washer-Spring      |
| 8        | 3212-6   | 1    | Screw-HH           |
| 9        | 3231-29  | 1    | Screw-CARR         |
| 10       | 1-323365 | 1    | Chain-Link, Twist  |
| 11       | 3256-14  | 1    | Washer-Flat        |
| 12       | 1-809069 | 1    | Screw-Cap HH       |
| 13       | 323-12   | 1    | Screw-HH           |
| 14       | 3253-5   | 1    | Washer-Lock        |
| 16       | 302-19   | 1    | Fitting-Grease     |
| 17       | 1-603402 | 1    | Spring-Extension   |
| 18       | 322-5    | 1    | Screw-HH           |
| 19       | 1-603801 | 1    | Anchor-Spring      |
| 20       | 32128-20 | 6    | Nut-HF             |
| 21       | 1-803050 | 4    | Screw-Set          |
| 22       | 106-2740 | 1    | V-Belt-Hydro Drive |
| 23       | 1-807272 | 2    | Key-Machine        |
| 24       | 1-413010 | 2    | Sheave W/Hub       |
| 25       | 3256-24  | 2    | Washer-Flat        |
| 26       | 3290-357 | 7    | Nut-HHF            |
| 27       | 3296-2   | 1    | Nut-Lock           |

| Ref. No. | Part No.    | Qty. | Description          |
|----------|-------------|------|----------------------|
| 28       | 1-603044    | 1    | Bushing              |
| 29       | 1-603496    | 1    | Bushing-Idler        |
| 30       | 1-602521    | 1    | Idler Arm ASM        |
| 30:1     | 1-513034    | 2    | Sleeve-Bearing       |
| 31       | 103-1796    | 1    | Cable-Choke          |
| 32       | 32128-33    | 2    | Nut-HF               |
| 33       | 103-1797-01 | 1    | Bracket-Cable, Choke |
| 34       | 321-3       | 2    | Screw-HH             |
| 36       | 98-0776     | 1    | Decal-Caution        |
| 39       | 323-4       | 2    | Screw-HH             |
| 40       | 1-413497    | 1    | Bellcrank            |
| 41       | 95-2814     | 1    | Decal-Shut Off, Fuel |
| 42       | 323-7       | 1    | Screw-HH             |

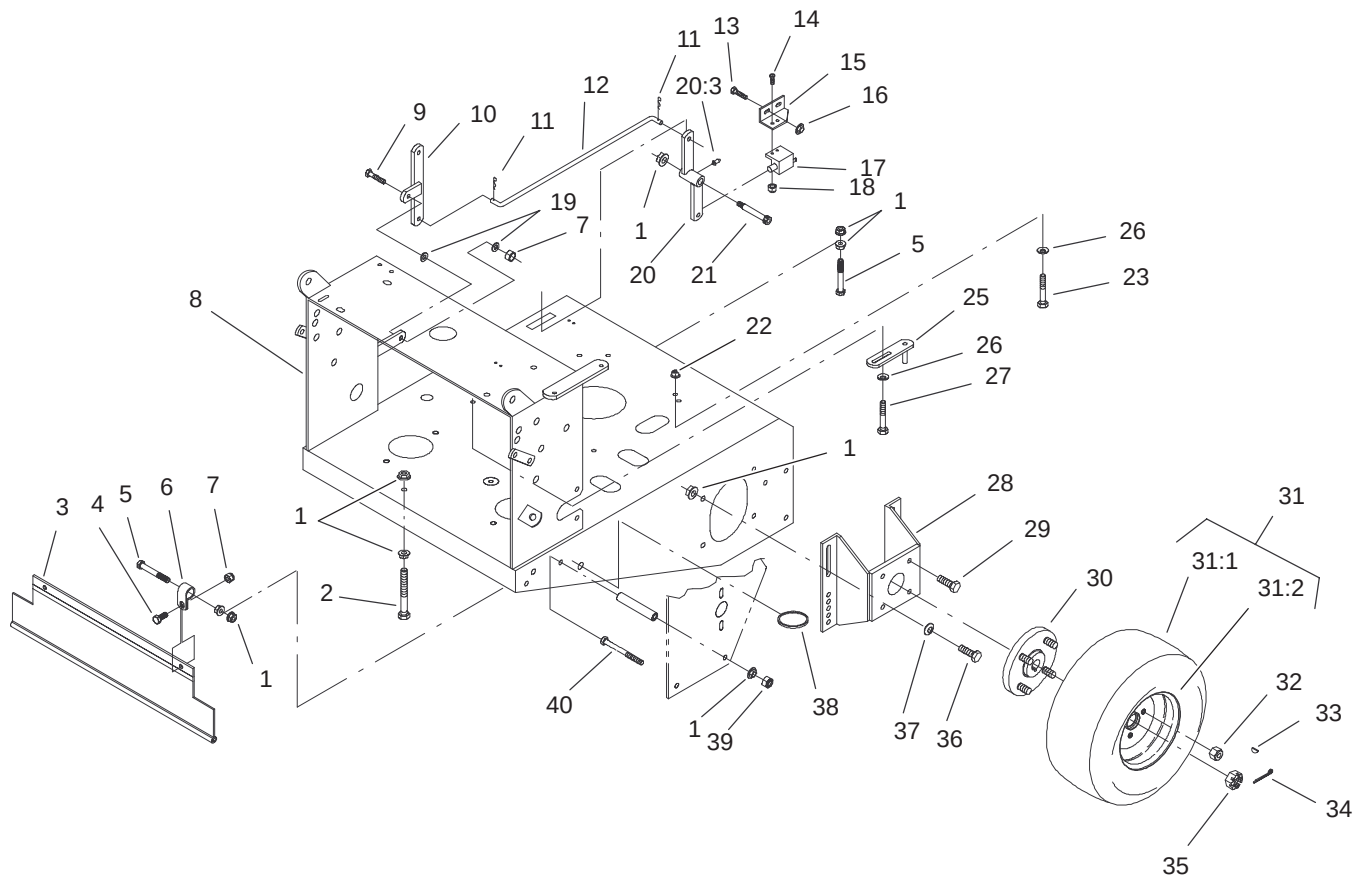


Sheet No.:4

## Linkage Assembly

| Ref. No. | Part No.    | Qty. | Description           |
|----------|-------------|------|-----------------------|
| 1        | 1-513051    | 1    | Switch-Open, Normally |
| 2        | 1-804002    | 2    | Nut-SQH               |
| 3        | 3296-39     | 1    | Nut-Lock, NI          |
| 4        | 1-412501-03 | 1    | Lever-Parkbrake       |
| 5        | 1-303020    | 1    | Grip-Lever            |
| 6        | 1-414504    | 1    | Bracket ASM           |
| 6:2      | 1-413347    | 2    | Sleeve-Bushing        |
| 7        | 1-413344    | 1    | Bushing-Pivot         |
| 8        | 1-805259    | 2    | Washer-Flat           |
| 9        | 323-10      | 1    | Screw-HH              |
| 10       | 1-803028    | 2    | Screw                 |
| 11       | 1-413496    | 1    | Linkage-Upper         |
| 12       | 3290-357    | 5    | Nut-HHF               |
| 13       | 1-806003    | 3    | Pin-Hair              |
| 14       | 323-9       | 2    | Screw-HH              |
| 15       | 1-303548    | 1    | Bushing-Plastic       |
| 16       | 1-414508    | 1    | Bellcrank ASM         |
| 17       | 3272-10     | 1    | Pin-Cotter            |
| 18       | 1-633131    | 1    | Yoke-Linkage, Brake   |
| 19       | 1-413489    | 1    | Linkage-Lower         |
| 20       | 103-2085-03 | 1    | Brake                 |
| 21       | 3218-3      | 1    | Nut-Jam               |
| 22       | 322-6       | 1    | Screw-HH              |
| 23       | 1-323161    | 1    | Spring-Idler          |
| 24       | 1-809001    | 2    | Nut-Whizlock          |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
| 25       | 1-808285 | 1    | Pin-Clevis  |
| 26       | 32128-21 | 1    | Nut-HF      |
| 27       | 323-4    | 3    | Screw-HH    |

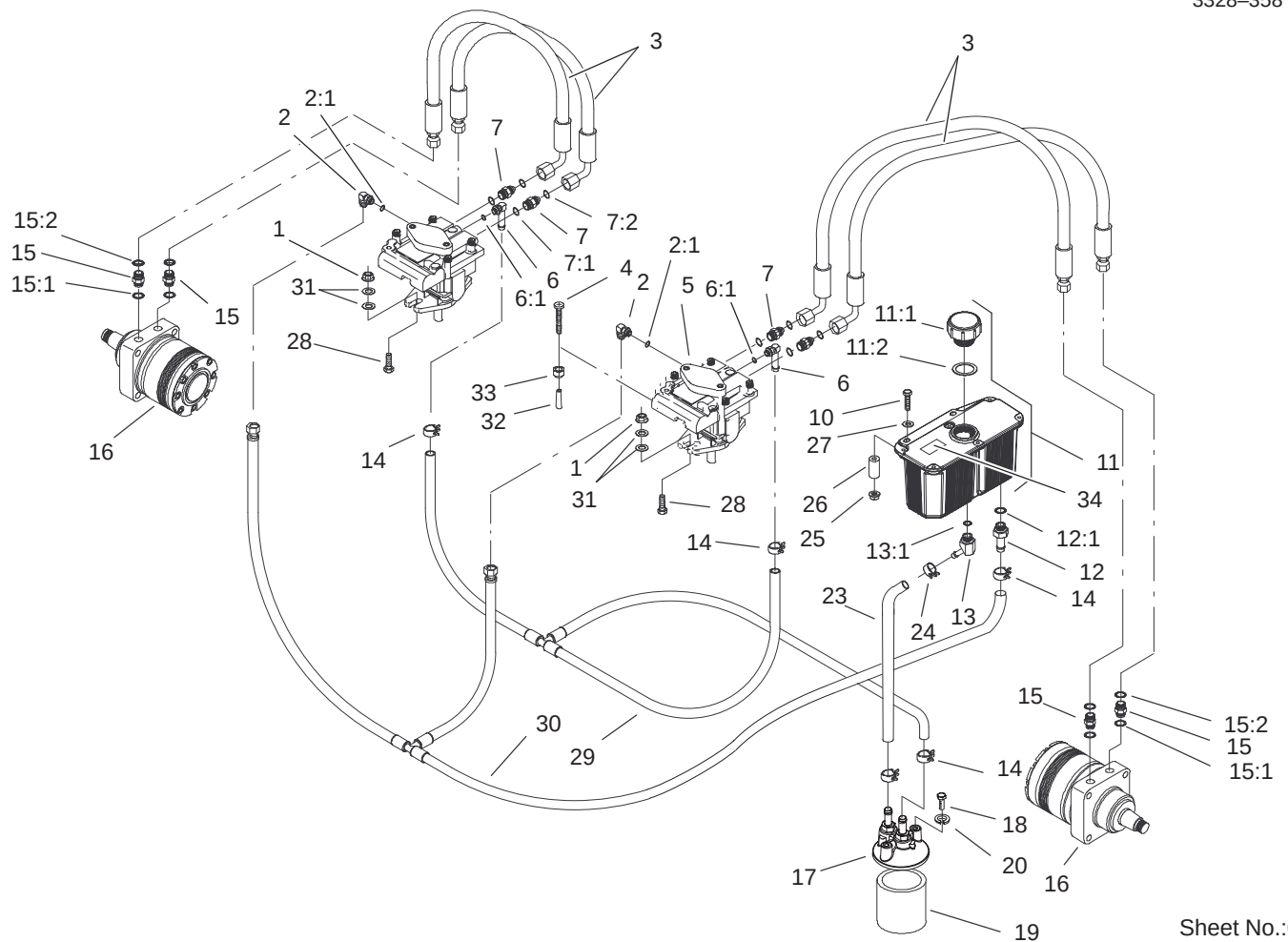


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## Wheel Drive Assembly

| Ref. No. | Part No.    | Qty. | Description              |
|----------|-------------|------|--------------------------|
| 1        | 3290-357    | 8    | Nut-HHF                  |
| 2        | 323-11      | 1    | Screw-HH                 |
| 3        | 103-2056    | 1    | Shield-Drag              |
| 4        | 322-3       | 2    | Screw-HH                 |
| 5        | 323-13      | 4    | Screw-HH                 |
| 6        | 1-413510    | 2    | Clip-Loom                |
| 7        | 3296-29     | 3    | Nut-Lock, NI             |
| 8        | 103-2908-01 | 1    | Deck-Rear                |
| 9        | 322-6       | 2    | Screw-HH                 |
| 10       | 1-322090-01 | 1    | Bellcrank                |
| 11       | 1-806003    | 3    | Pin-Hair                 |
| 12       | 1-323172    | 1    | Linkage-Engage,<br>Blade |
| 13       | 321-3       | 2    | Screw-HH                 |
| 14       | 3290-500    | 2    | Screw-PPH                |
| 15       | 1-323213    | 1    | Bracket-Switch, Blade    |
| 16       | 32128-33    | 2    | Nut-HF                   |
| 17       | 1-513051    | 1    | Switch-Open,<br>Normally |
| 18       | 3296-2      | 2    | Nut-Lock                 |
| 19       | 3256-23     | 5    | Washer-Flat              |
| 20       | 1-322108    | 1    | Bellcrank ASM            |
| 20:3     | 302-40      | 1    | Fitting-Grease           |
| 21       | 1-809062    | 1    | Screw                    |
| 22       | 32128-20    | 6    | Nut-HF                   |
| 23       | 322-7       | 3    | Screw-HH                 |

| Ref. No. | Part No.    | Qty. | Description       |
|----------|-------------|------|-------------------|
| 25       | 1-322110    | 1    | Guide-Belt        |
| 26       | 1-303334    | 4    | Washer-Spring     |
| 27       | 322-9       | 1    | Screw-HH          |
| 28       | 103-2289-01 | 2    | Mount-Motor       |
| 29       | 3234-12     | 8    | Screw-HHF         |
| 30       | 1-602997    | 2    | Hub W/Studs       |
| 31       |             | 2    | Wheel & Tire ASM  |
| 31:1     | 1-413474    | 1    | Tire-Turfmaster   |
| 31:2     | 1-603715    | 1    | Wheel-Rim         |
| 32       | 242-50      | 8    | Nut-Lug           |
| 33       | 1-807019    | 2    | Key-Woodruff      |
| 34       | 1-806800    | 2    | Pin-Cotter        |
| 35       | 1-803040    | 2    | Nut-Slotted       |
| 36       | 323-6       | 8    | Screw-HH          |
| 37       | 98-5975     | 8    | Washer-Belleville |
| 38       | 1-323366    | 1    | Ring-Split        |
| 39       | 3296-39     | 1    | Nut-Lock, NI      |
| 40       | 323-23      | 1    | Screw-HH          |

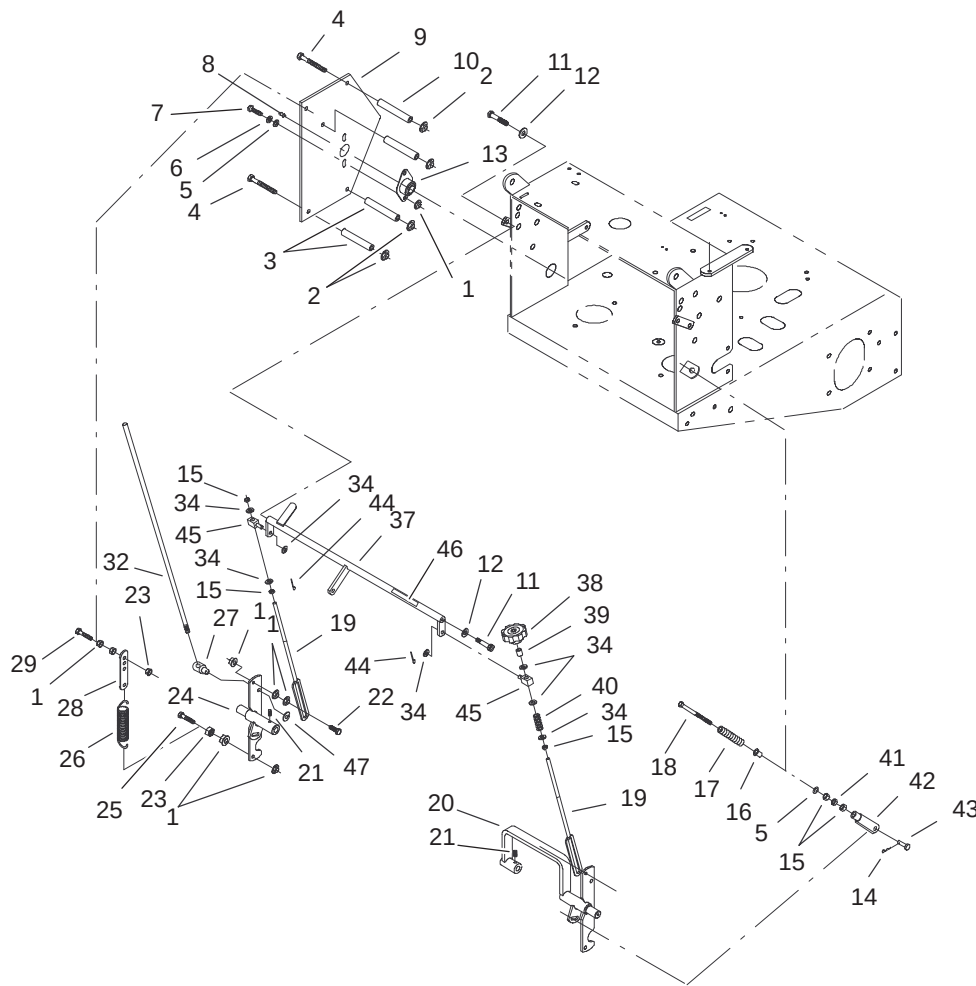


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## Hydraulic Assembly

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 1        | 3290-357 | 4    | Nut-HHF             |
| 2        | 1-513840 | 2    | Fitting-90°         |
| 2:1      | 237-42   | 1    | O-Ring              |
| 3        | 1-403102 | 4    | Hose-Pressure, High |
| 4        | 1-801063 | 2    | Screw               |
| 5        | 1-613042 | 2    | Pump                |
| 6        | 1-603989 | 2    | Fitting             |
| 6:1      | 237-78   | 1    | O-Ring              |
| 7        | 1-603990 | 4    | Fitting-Straight    |
| 7:1      | 237-79   | 1    | O-Ring              |
| 7:2      | 1-603992 | 1    | O-Ring              |
| 10       | 321-15   | 2    | Screw-HH            |
| 11       | 103-1946 | 1    | Reservoir-HYD       |
| 11:1     | 103-1948 | 1    | Cap-Reservoir, HYD  |
| 11:2     | 103-1949 | 1    | Gasket-Cap          |
| 12       | 103-1801 | 1    | Adapter-Straight    |
| 12:1     | 237-42   | 1    | O-Ring              |
| 13       | 103-1807 | 1    | Elbow-45°           |
| 13:1     | 237-42   | 1    | O-Ring              |
| 14       | 103-1988 | 4    | Clamp-Hose          |
| 15       | 1-603991 | 4    | Fitting-Straight    |
| 15:1     | 237-80   | 1    | O-Ring              |
| 15:2     | 1-603992 | 1    | O-Ring              |
| 16       | 1-603718 | 2    | Motor-Wheel         |
| 17       | 103-2889 | 1    | Filter Head ASM     |
| 18       | 321-3    | 2    | Screw-HH            |

| Ref. No. | Part No. | Qty. | Description      |
|----------|----------|------|------------------|
| 19       | 1-633750 | 1    | Filter-HYD       |
| 20       | 1-805004 | 2    | Washer-Lock      |
| 23       | 103-2959 | 1    | Hose-Charge      |
| 24       | 103-1716 | 1    | Clamp-Hose       |
| 25       | 32128-33 | 2    | Nut-HF           |
| 26       | 103-2191 | 2    | Spacer           |
| 27       | 3256-22  | 2    | Washer-Flat      |
| 28       | 323-7    | 4    | Screw-HH         |
| 29       | 103-2057 | 1    | HYD Hose ASM     |
| 30       | 103-2073 | 1    | HYD Hose ASM     |
| 31       | 3256-3   | 8    | Washer-Flat      |
| 32       | 1-613073 | 2    | Grip-Valve, Dump |
| 33       | 3296-42  | 2    | Nut-Lock, NI     |
| 34       | 1-523552 | 1    | Decal-Tank, HYD  |



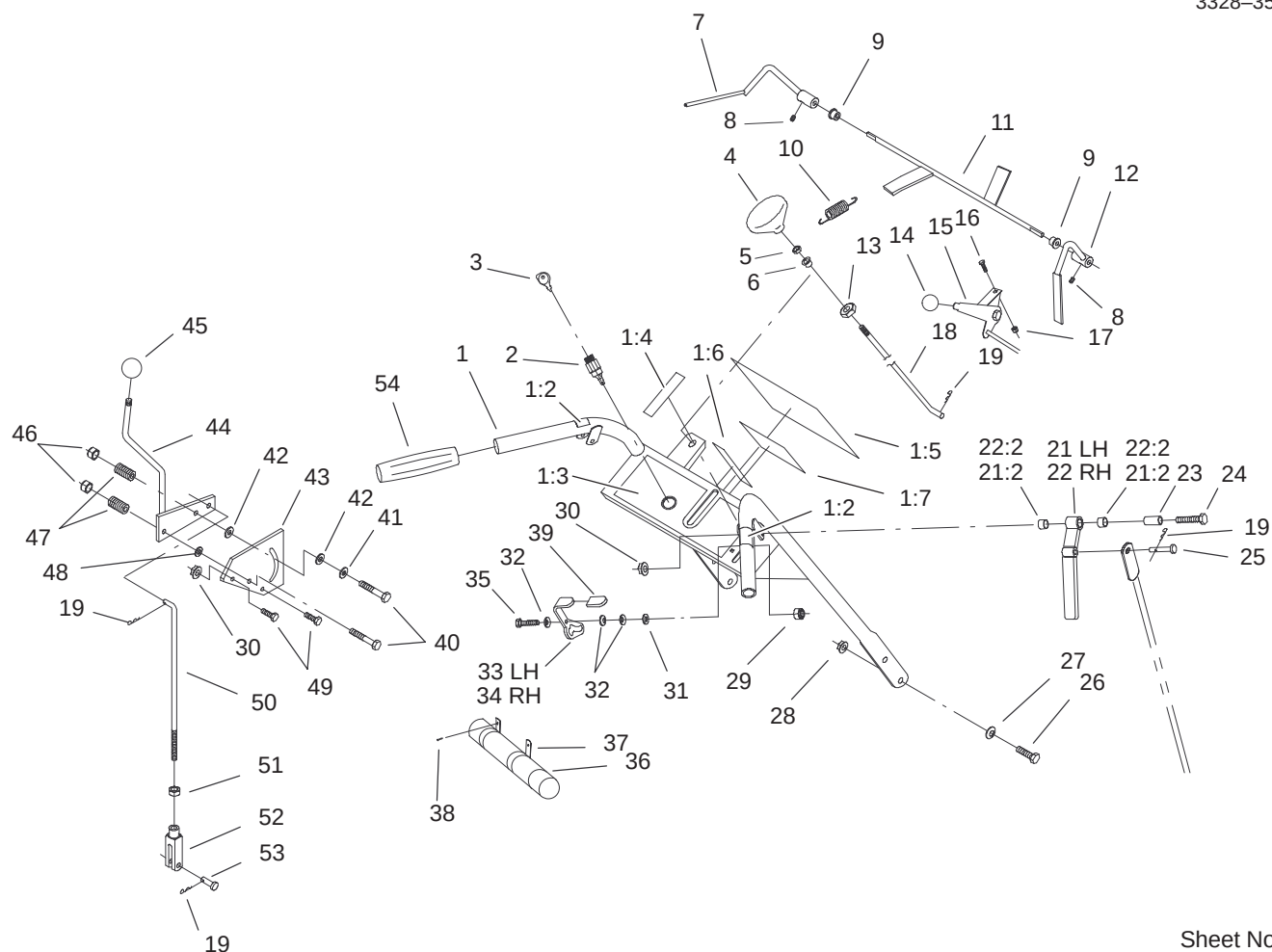
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## Lower Control Assembly

| Ref. No. | Part No.    | Qty. | Description            |
|----------|-------------|------|------------------------|
| 1        | 32128-20    | 12   | Nut-HF                 |
| 2        | 3290-357    | 8    | Nut-HHF                |
| 3        | 1-323197-01 | 4    | Spacer-Shield          |
| 4        | 323-16      | 7    | Screw-HH               |
| 5        | 3256-2      | 6    | Washer-Flat            |
| 6        | 1-805005    | 4    | Washer-Lock            |
| 7        | 322-3       | 4    | Screw-HH               |
| 8        | 302-19      | 2    | Fitting-Grease         |
| 9        | 1-413201-01 | 2    | Shield-Controls, Hydro |
| 10       | 1-323195-01 | 4    | Spacer-Shield          |
| 11       | 1-809056    | 2    | Screw                  |
| 12       | 3256-24     | 2    | Washer-Flat            |
| 13       | 1-633102    | 2    | Bearing-Flange, Side   |
| 14       | 1-806003    | 2    | Pin-Hair               |
| 15       | 3219-2      | 7    | Nut-Hex                |
| 16       | 1-603735    | 2    | Bushing-Flanged        |
| 17       | 1-603807    | 2    | Spring-Return, Neutral |
| 18       | 1-603737    | 2    | Bolt-Return, Neutral   |
| 19       | 1-413350    | 2    | Link-Control, Speed    |
| 20       | 103-1191-01 | 1    | Shaft-Control, RH      |
| 21       | 1-803022    | 2    | Screw                  |
| 22       | 1-403180    | 2    | Screw-HH               |
| 23       | 3296-29     | 4    | Nut-Lock, NI           |
| 24       | 103-1190-01 | 1    | Shaft-Control, LH      |

| Ref. No. | Part No.    | Qty. | Description              |
|----------|-------------|------|--------------------------|
| 25       | 322-6       | 2    | Screw-HH                 |
| 26       | 1-603693    | 2    | Spring-Extension         |
| 27       | 103-1235    | 2    | Swivel-Lever, Drive      |
| 28       | 1-613089    | 2    | Tab-Spring, Extension    |
| 29       | 1-800016    | 2    | Bolt-TAP HH              |
| 32       | 1-413219    | 2    | Rod-Lever, Drive         |
| 34       | 3256-23     | 7    | Washer-Flat              |
| 37       | 1-412203-01 | 1    | Crank-Control, Speed     |
| 38       | 1-413151    | 1    | Knob-Tracking            |
| 39       | 1-603903    | 1    | Spacer                   |
| 40       | 1-323245    | 1    | Spring-Compression       |
| 41       | 3220-2      | 2    | Nut                      |
| 42       | 1-303105    | 2    | Yoke-Adjustable          |
| 43       | 1-808280    | 2    | Pin-Clevis               |
| 44       | 3272-5      | 2    | Pin-Cotter               |
| 45       | 1-603676    | 2    | Swivel-Adjustable, Short |
| 46       | 105-4109    | 1    | Decal-Tracking           |
| 47       | 32151-47    | 2    | Ring-Retaining           |



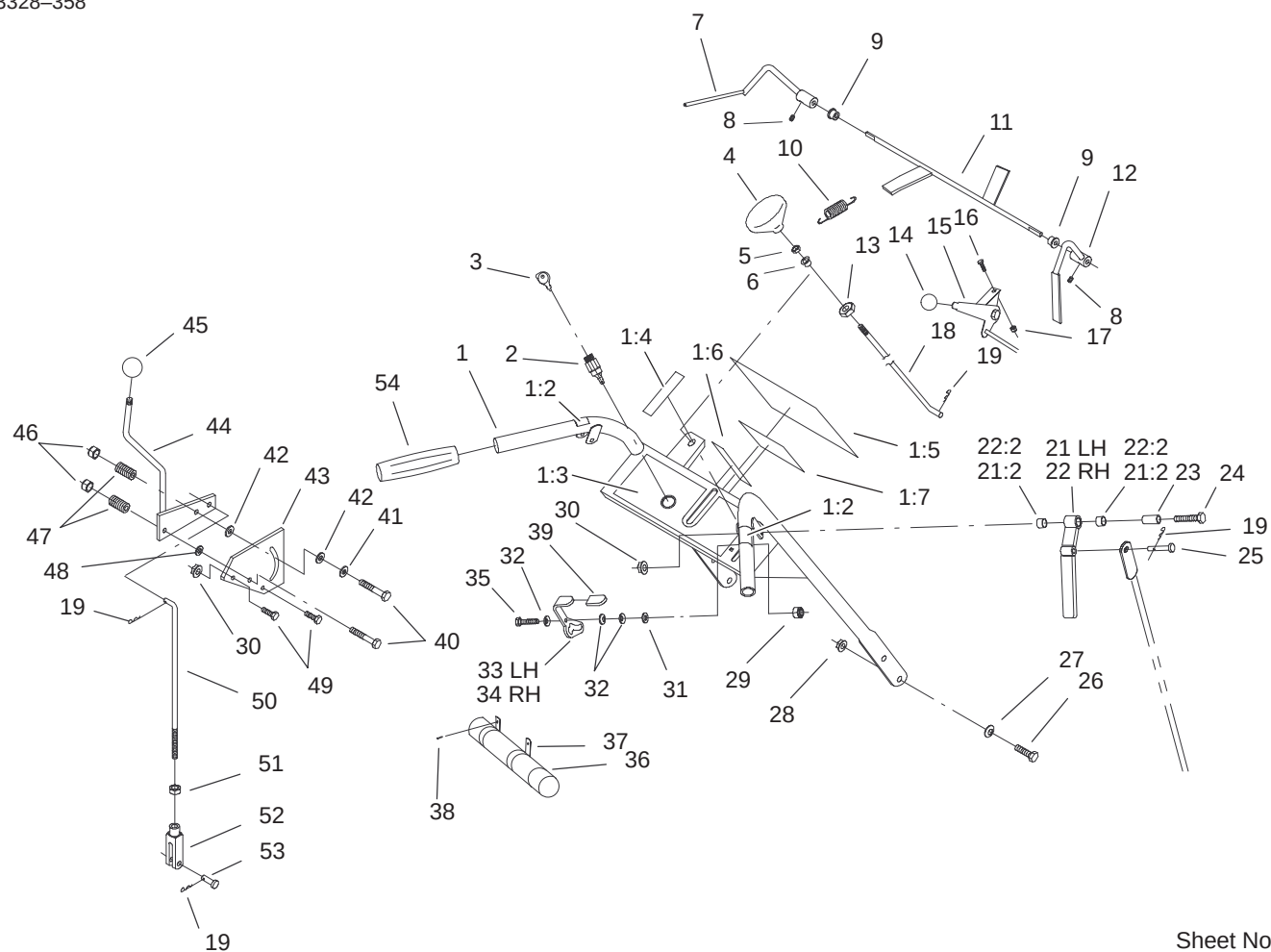


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## Upper Handle Assembly

| Ref. No. | Part No.    | Qty. | Description                       |
|----------|-------------|------|-----------------------------------|
| 1        | 106-2732    | 1    | Handle ASM                        |
| 1:2      | 105-4110    | 2    | Decal-Lock, Neutral               |
| 1:3      | 106-2738    | 1    | Decal-Warning                     |
| 1:4      | 106-2733    | 1    | Decal-Throttle                    |
| 1:5      | 106-2735    | 1    | Decal-Proline                     |
| 1:6      | 95-5537     | 1    | Decal-Engage, Deck                |
| 1:7      | 106-2743    | 1    | Decal-Caution, Brake              |
| 2        | 1-403121    | 1    | Switch-Key                        |
| 3        | 63-8360     | 1    | Key-Ignition                      |
| 4        | 1-323134    | 1    | Knob-Push/Pull                    |
| 5        | 3218-2      | 1    | Nut-Jam                           |
| 6        | 1-323143    | 1    | Bearing-Nylon                     |
| 7        | 1-412183-03 | 1    | Lever-LH                          |
| 8        | 1-803322    | 2    | Screw-Set                         |
| 9        | 1-303365    | 2    | Bushing-Nylon                     |
| 10       | 1-303363    | 1    | Spring-Extension                  |
| 11       | 106-2717-03 | 1    | Operator Presence Control Rod ASM |
| 12       | 1-412185-03 | 1    | Lever-RH                          |
| 13       | 1-323142    | 1    | Nut-Push                          |
| 14       | 1-513592    | 1    | Knob-Ball                         |
| 15       | 1-633696    | 1    | Cable-Throttle                    |
| 16       | 1-807513    | 2    | Bolt-CARR                         |
| 17       | 3296-2      | 2    | Nut-Lock                          |
| 18       | 1-323181    | 1    | Linkage-Blade                     |
| 19       | 1-806003    | 3    | Pin-Hair                          |

| Ref. No. | Part No. | Qty. | Description           |
|----------|----------|------|-----------------------|
| 21       | 103-0218 | 1    | LH Drive Lever ASM    |
| 21:2     | 1-413152 | 2    | Sleeve-Bushing        |
| 22       | 103-0219 | 1    | RH Drive Lever ASM    |
| 22:2     | 1-413152 | 2    | Sleeve-Bushing        |
| 23       | 1-603749 | 2    | Bushing-Lever, Drive  |
| 24       | 321-9    | 2    | Screw-HH              |
| 25       | 1-613055 | 2    | Pin-Clevis            |
| 26       | 323-6    | 4    | Screw-HH              |
| 27       | 98-5975  | 4    | Washer-Belleville     |
| 28       | 3290-357 | 4    | Nut-HHF               |
| 29       | 3296-42  | 2    | Nut-Lock, NI          |
| 30       | 32128-33 | 4    | Nut-HF                |
| 31       | 3256-2   | 2    | Washer-Flat           |
| 32       | 1-303435 | 6    | Washer-Spring         |
| 33       | 1-413148 | 1    | Latch-Lever, LH Drive |
| 34       | 1-413150 | 1    | Latch-Lever, RH Drive |
| 35       | 321-10   | 2    | Screw-HH              |
| 36       | 74-0720  | 1    | Tube-Manual           |
| 37       | 2412-120 | 2    | R-Clamp               |
| 38       | 32104-76 | 2    | Screw                 |
| 39       | 1-303019 | 2    | Grip-Latch            |
| 40       | 322-10   | 2    | Screw-HH              |
| 41       | 1-603716 | 1    | Washer-Friction       |
| 42       | 1-323244 | 2    | Washer-Friction       |
| 43       | 1-603730 | 1    | Plate-Lever, Shifter  |
| 44       | 106-2748 | 1    | Lever-Shift           |

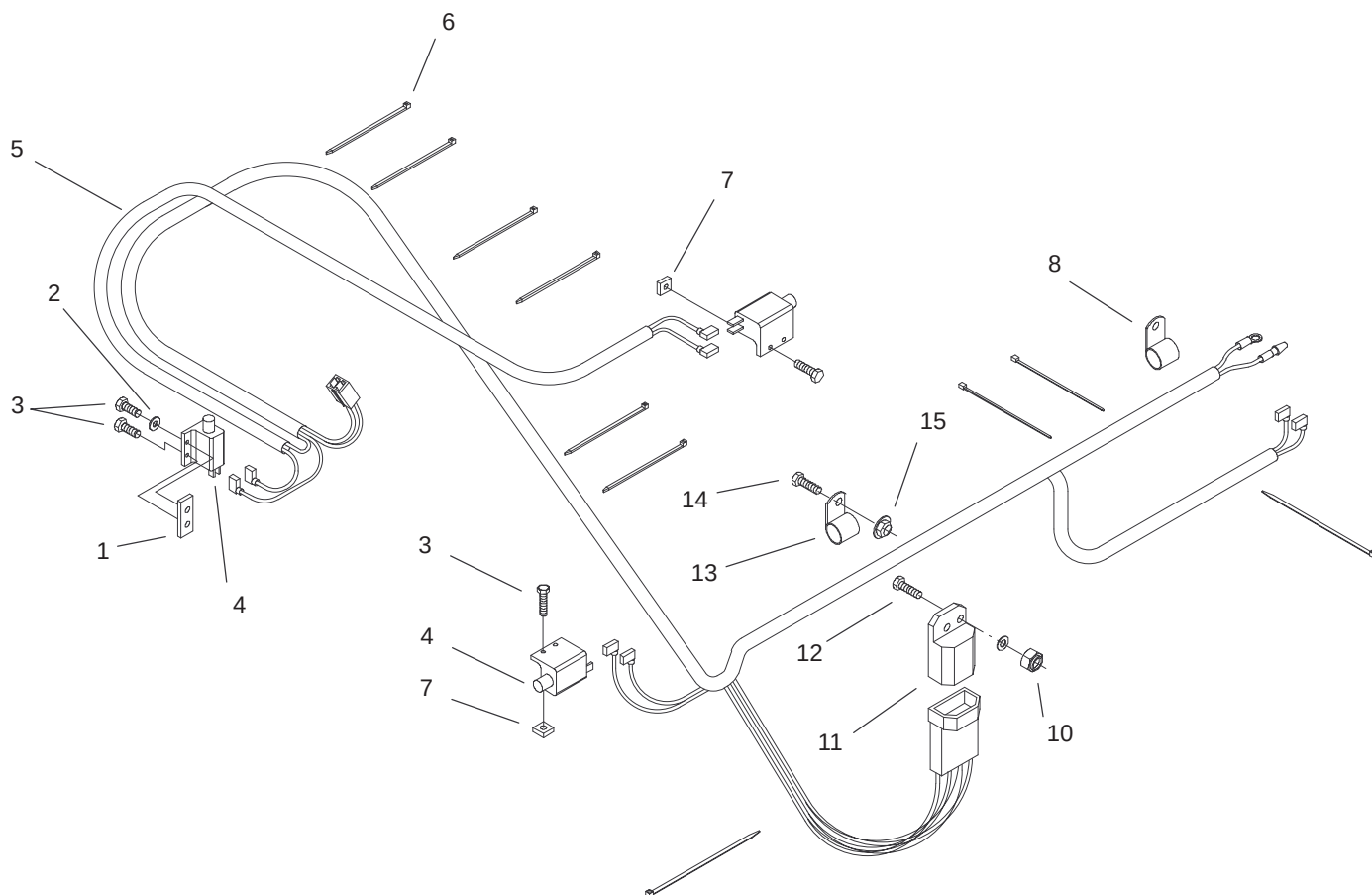


Sheet No.:8

## Upper Handle Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 45       | 1-603175 | 1    | Knob-Ball          |
| 46       | 3296-29  | 2    | Nut-Lock, NI       |
| 47       | 1-323245 | 2    | Spring-Compression |
| 48       | 3256-23  | 1    | Washer-Flat        |
| 49       | 321-3    | 2    | Screw-HH           |
| 50       | 1-323522 | 1    | Rod-Control, Speed |
| 51       | 3220-2   | 1    | Nut                |
| 52       | 1-303105 | 1    | Yoke-Adjustable    |
| 53       | 1-808280 | 1    | Pin-Clevis         |
| 54       | 1-303097 | 2    | Grip-Handle        |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

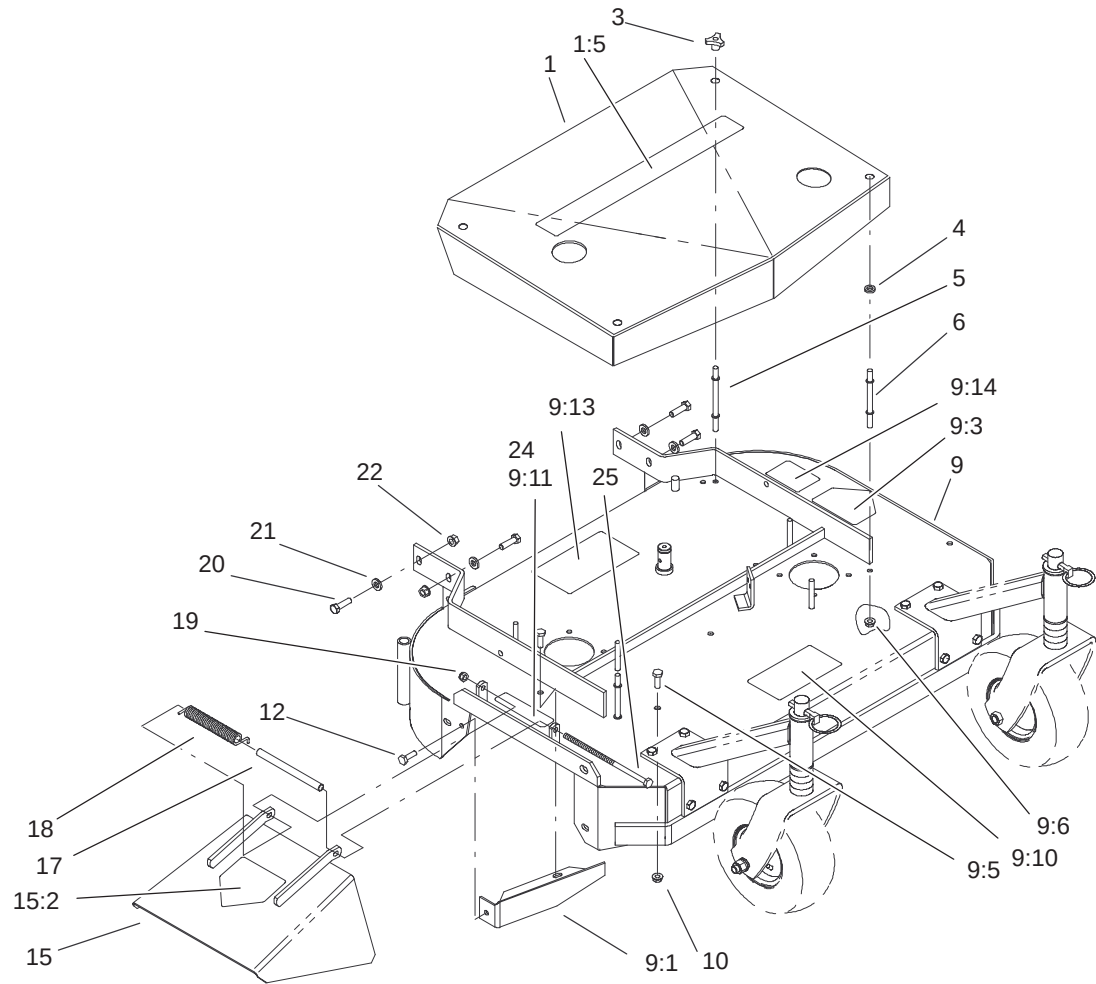


Sheet No.:9

# Electrical Assembly

| Ref. No. | Part No.  | Qty. | Description               |
|----------|-----------|------|---------------------------|
| 1        | 1-633181  | 1    | Plate-Tapped              |
| 2        | 3256-14   | 1    | Washer-Flat               |
| 3        | 3290-500  | 3    | Screw-PPH                 |
| 4        | 1-513051  | 2    | Switch-Open,<br>Normally  |
| 5        | 103-2007  | 1    | Harness-Wiring            |
| 6        | 1-303287  | 6    | Tie-Plastic               |
| 7        | 1-804002  | 4    | Nut-SQH                   |
| 8        | 1-413510  | 1    | Clip-Loom                 |
| 10       | 3296-42   | 2    | Nut-Lock, NI              |
| 11       | 1-323430  | 1    | Module-Harness,<br>Wiring |
| 12       | 321-4     | 1    | Screw-HH                  |
| 13       | 1-603727  | 1    | Clip-Loom                 |
| 14       | 321-3     | 1    | Screw-HH                  |
| 15       | 32128-33  | 1    | Nut-HF                    |
| 16       | 33114-016 | 1    | Screw-HH                  |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

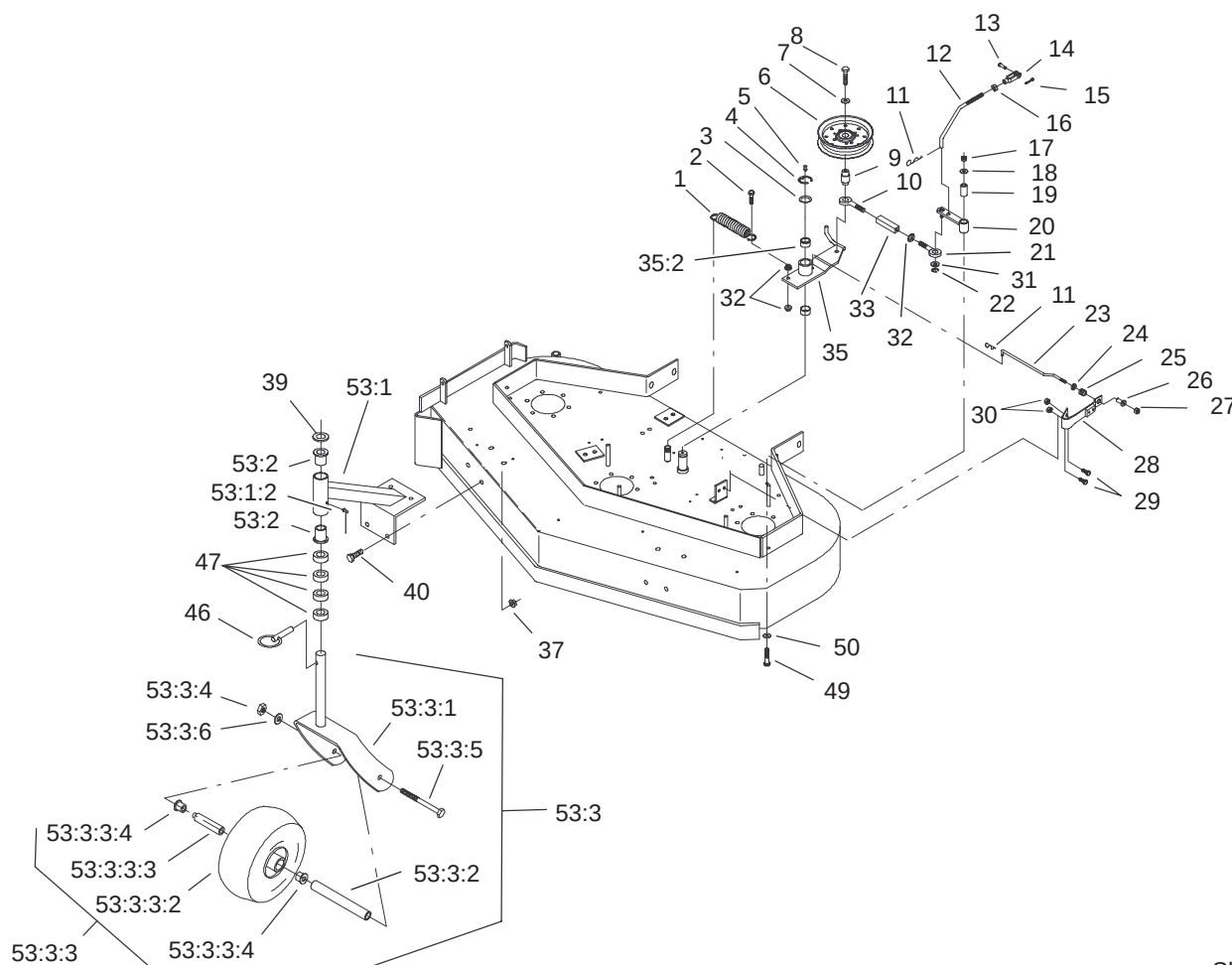


Sheet No.:10

Deck Assembly

| Ref. No. | Part No.    | Qty. | Description               |
|----------|-------------|------|---------------------------|
| 1        | 1-304258    | 1    | Belt Shield ASM           |
| 1:5      | 95-5436     | 1    | Decal-Proline             |
| 3        | 1-323385    | 4    | Knob-3 Prong              |
| 4        | 1-323417    | 4    | Washer                    |
| 5        | 1-303536    | 2    | Stud-Shield, Belt (Long)  |
| 6        | 1-303537    | 2    | Stud-Shield, Belt (Short) |
| 9        | 105-4680    | 1    | Deck ASM                  |
| 9:1      | 1-302189-01 | 1    | Baffle                    |
| 9:3      | 1-403005    | 1    | Decal-Danger              |
| 9:5      | 322-2       | 8    | Screw-HH                  |
| 9:6      | 32128-20    | 8    | Nut-HF                    |
| 9:10     | 66-1340     | 1    | Decal-Danger              |
| 9:11     | 67-5360     | 1    | Decal-Danger              |
| 9:13     | 98-3296     | 1    | Decal-Routing, Belt       |
| 9:14     | 98-5130     | 1    | Decal-Torque              |
| 10       | 32128-20    | 12   | Nut-HF                    |
| 12       | 322-2       | 7    | Screw-HH                  |
| 15       | 1-304256    | 1    | Chute-Discharge           |
| 15:2     | 54-9220     | 1    | Decal-Danger              |
| 17       | 98-3281     | 1    | Spacer-Spring             |
| 18       | 98-3280     | 1    | Spring-Deflector          |
| 19       | 3296-29     | 1    | Nut-Lock, NI              |
| 20       | 323-8       | 6    | Screw-HH                  |
| 21       | 98-5975     | 6    | Washer-Belleville         |

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 22       | 3290-357 | 14   | Nut-HHF              |
| 24       | 98-5954  | 1    | Decal-Missing, Cover |
| 25       | 322-50   | 1    | Screw-HH             |



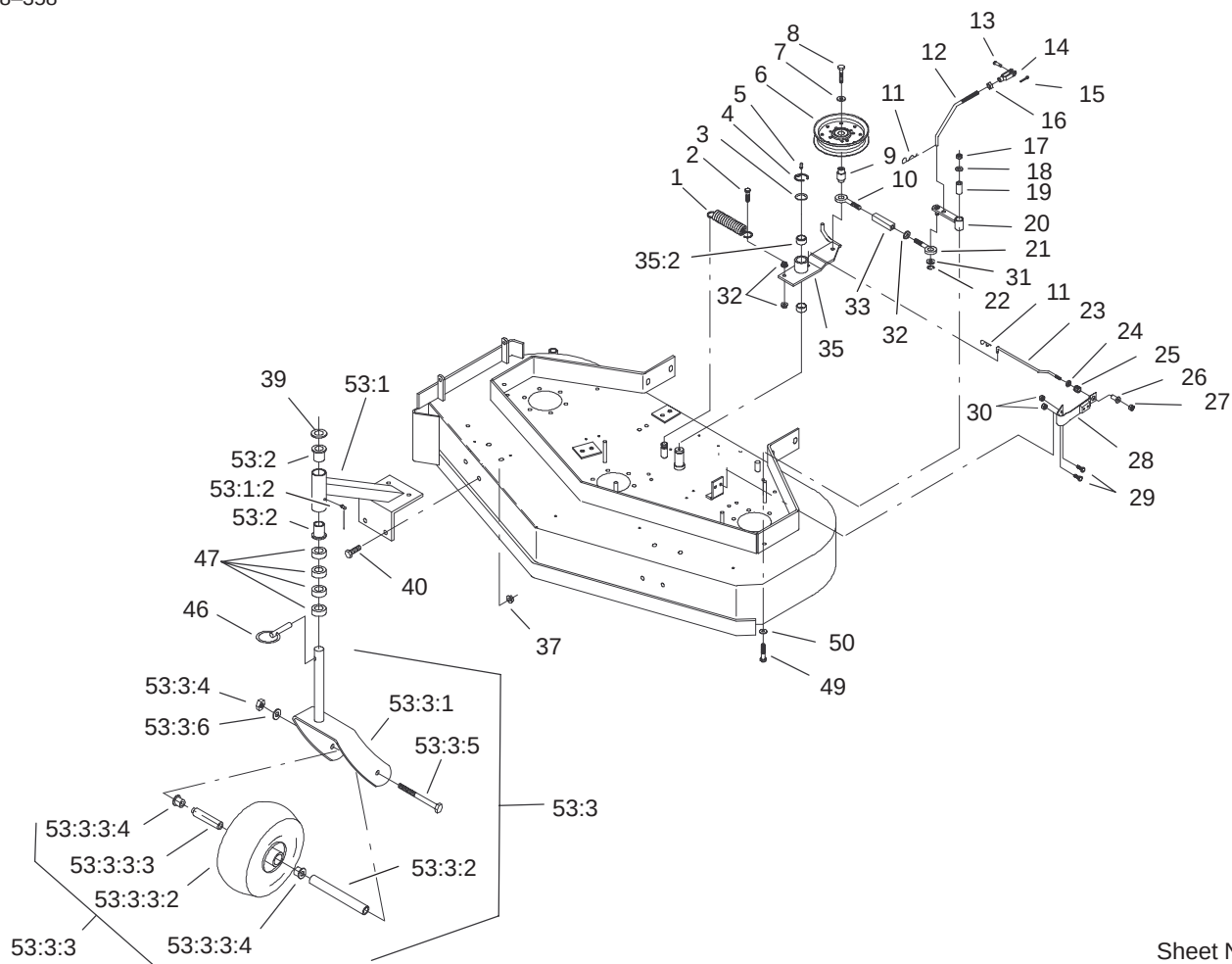
Sheet No.:12

## Front Castors, Belt Tension, and Blade Brake System Assembly

| Ref. No. | Part No.  | Qty. | Description         |
|----------|-----------|------|---------------------|
| 1        | 1-323071  | 1    | Spring-Extension    |
| 2        | 322-6     | 1    | Screw-HH            |
| 3        | 1-303352  | 1    | Washer-Spindle      |
| 4        | 32151-103 | 1    | Ring-Snap           |
| 5        | 302-19    | 1    | Fitting-Grease      |
| 6        | 1-603843  | 1    | Pulley-Idler        |
| 7        | 98-5975   | 3    | Washer-Belleville   |
| 8        | 702809    | 1    | Screw-Cap           |
| 9        | 1-303434  | 1    | Bushing-Engagement  |
| 10       | 1-303348  | 1    | Eyebolt-Thread, LH  |
| 11       | 1-806003  | 3    | Pin-Hair            |
| 12       | 1-323174  | 1    | Linkage-Arm, Assist |
| 13       | 1-808280  | 1    | Pin-Clevis          |
| 14       | 1-303105  | 1    | Yoke-Adjustable     |
| 15       | 3272-5    | 1    | Pin-Cotter          |
| 16       | 3219-2    | 1    | Nut-Hex             |
| 17       | 3296-29   | 1    | Nut-Lock, NI        |
| 18       | 3256-3    | 1    | Washer-Flat         |
| 19       | 1-403179  | 1    | Tube-Pivot          |
| 20       | 1-322235  | 1    | Arm                 |
| 21       | 1-303238  | 1    | Eyebolt-Thread, RH  |
| 22       | 32120-35  | 1    | E-Ring              |
| 23       | 1-323715  | 1    | Rod-Brake           |
| 24       | 1-323748  | 1    | Ring-Push On        |

| Ref. No. | Part No.    | Qty. | Description                |
|----------|-------------|------|----------------------------|
| 25       | 1-323747    | 1    | Spring-Compression         |
| 26       | 1-323746    | 1    | Spacer-Flanged             |
| 27       | 3296-56     | 1    | Nut-Lock, NI               |
| 28       | 1-324372    | 1    | Pad/Spring ASM             |
| 29       | 321-4       | 2    | Screw-HH                   |
| 30       | 3296-42     | 2    | Nut-Lock, NI               |
| 31       | 3256-23     | 1    | Washer-Flat                |
| 32       | 32128-20    | 3    | Nut-HF                     |
| 33       | 1-303236    | 1    | Body-Turnbuckle            |
| 35       | 1-324408    | 1    | Idle Arm ASM               |
| 35:2     | 1-323729    | 2    | Sleeve-Bearing             |
| 37       | 3290-357    | 8    | Nut-HHF                    |
| 39       | 1-513338    | 2    | Washer-Flat                |
| 40       | 323-4       | 8    | Screw-HH                   |
| 46       | 1-809020    | 2    | Pin                        |
| 47       | 1-303314    | 8    | Spacer-Caster              |
| 49       | 322-10      | 1    | Screw-HH                   |
| 50       | 1-303334    | 1    | Washer-Spring              |
| ☆53      |             | 2    | Castor Wheel And Mount ASM |
| 53:1     | 1-302194-01 | 1    | Support-Caster             |
| 53:1:2   | 302-52      | 1    | Fitting-Grease             |
| 53:2     | 1-303514    | 2    | Bearing-Flanged            |

☆ Not serviced separately

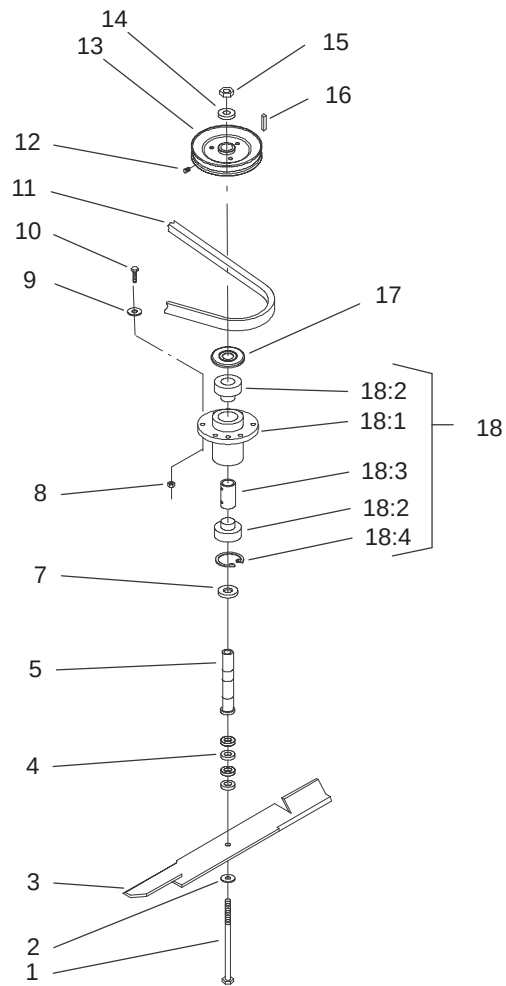


Sheet No.:12

## Front Castors, Belt Tension, and Blade Brake System Assembly (Continued)

| Ref. No. | Part No.    | Qty. | Description             |
|----------|-------------|------|-------------------------|
| 53:3     | 1-322154    | 1    | Caster And Wheel<br>ASM |
| 53:3:1   | 1-322145-01 | 1    | Fork                    |
| 53:3:2   | 1-513547    | 1    | Spacer                  |
| 53:3:3   | 1-513648    | 1    | Wheel And Tire ASM      |
| 53:3:3:2 | 1-513808    | 1    | Tire                    |
| 53:3:3:3 | 1-513809    | 1    | Bearing                 |
| 53:3:3:4 | 1-513810    | 2    | Bushing                 |
| 53:3:4   | 3217-9      | 1    | Nut-HH                  |
| 53:3:5   | 325-20      | 1    | Screw-HH                |
| 53:3:6   | 3253-7      | 1    | Washer-Lock             |

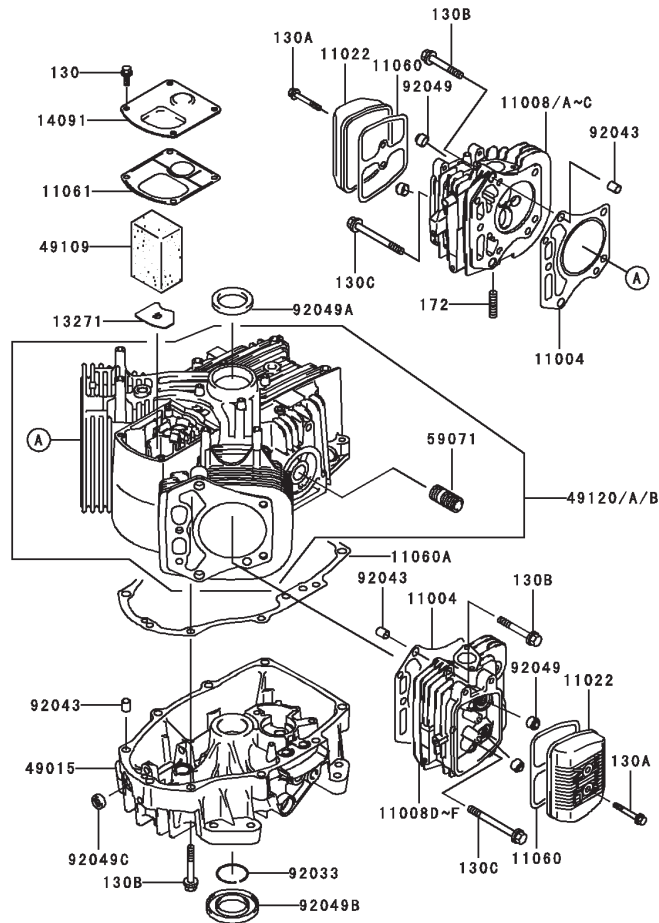
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:13

## Spindle, Blade and Belt Assembly

| Ref. No. | Part No. | Qty. | Description                | Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|----------------------------|----------|----------|------|-------------|
| 1        | 1-800861 | 2    | Screw-Cap, HH              |          |          |      |             |
| 2        | 1-513208 | 2    | Washer-Spring              |          |          |      |             |
| 3        | 103-2528 | 2    | Blade-Notched              |          |          |      |             |
| 3        | 103-2508 | 2    | Blade-Low Lift             |          |          |      |             |
| 4        | 1-323539 | 8    | Spacer-Drive, Blade        |          |          |      |             |
| 5        | 1-323529 | 2    | Tube-Spindle, Short        |          |          |      |             |
| 7        | 103-2535 | 2    | Spacer-Guard,<br>Bottom    |          |          |      |             |
| 8        | 32128-20 | 8    | Nut-HF                     |          |          |      |             |
| 9        | 1-303334 | 8    | Washer-Spring              |          |          |      |             |
| 10       | 322-6    | 8    | Screw-HH                   |          |          |      |             |
| 11       | 106-2741 | 1    | V-Belt                     |          |          |      |             |
| 12       | 1-803310 | 2    | Screw-Set                  |          |          |      |             |
| 13       | 1-403183 | 2    | Sheave                     |          |          |      |             |
| 14       | 1-323339 | 2    | Washer-Retainer,<br>Sheave |          |          |      |             |
| 15       | 3219-6   | 2    | Nut-Hex                    |          |          |      |             |
| 16       | 1-807267 | 2    | Key                        |          |          |      |             |
| 17       | 103-1330 | 2    | Guard-Bearing, Top         |          |          |      |             |
| 18       | 103-2533 | 2    | Cutter Housing ASM         |          |          |      |             |
| 18:1     | 1-323532 | 1    | Housing-Spindle            |          |          |      |             |
| 18:2     | 103-2477 | 2    | Bearing-Ball               |          |          |      |             |
| 18:3     | 103-2534 | 1    | Spacer-Bearing             |          |          |      |             |
| 18:4     | 32120-8  | 1    | Ring-Snap                  |          |          |      |             |

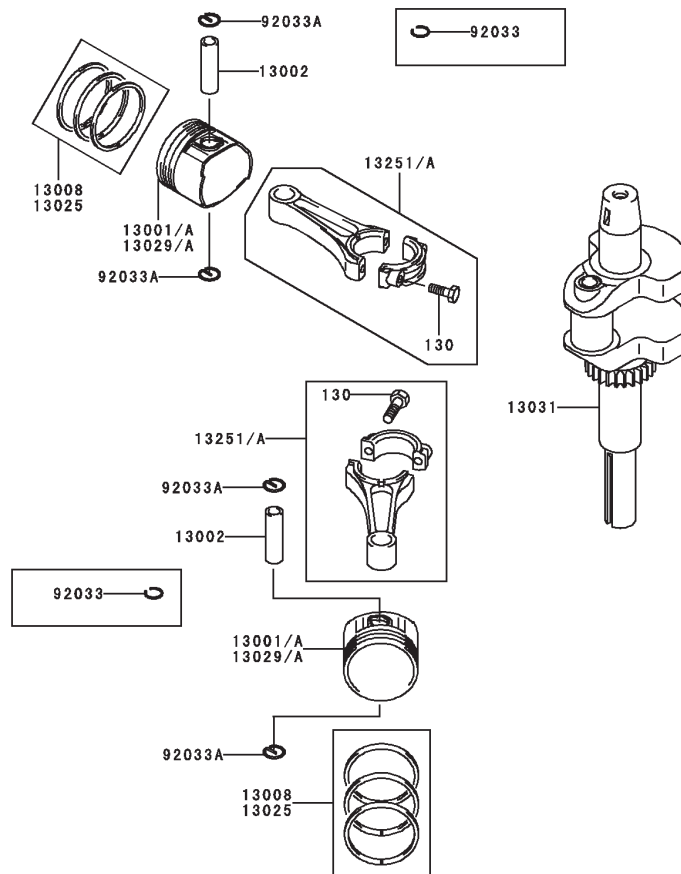


## Cylinder/Crankcase Assembly Kawasaki FH451V-BS04

| Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|------------------------|
| 11004    | 11004-7005 | 2    | Gasket-Head            |
| 11008A   | 11008-6042 | 1    | Head-Comp-Cylinder     |
| 11008E   | 11008-7009 | 1    | Head-Comp-Cylinder     |
| 11022    | 11022-7003 | 2    | Case-Rocker            |
| 11060    | 11060-7001 | 2    | Gasket,Rocker Case     |
| 11060A   | 11060-7008 | 1    | Gasket,Crankcase Cover |
| 11061    | 11061-7001 | 1    | Gasket,Breather        |
| 13271    | 13271-7016 | 1    | Plate                  |
| 14091    | 14091-7006 | 1    | Cover                  |
| 49015    | 49015-6223 | 1    | Cover-Crankcase        |
| 49109    | 49109-7002 | 1    | Element-Breather       |
| 49120A   | 49120-6132 | 1    | Crankcase-Comp         |
| 59071    | 59071-2079 | 1    | Joint                  |
| 92033    | 92033-7003 | 1    | Ring-Snap              |
| 92043    | 92043-7001 | 6    | Pin                    |
| 92049    | 92049-7001 | 4    | Seal-Oil               |
| 92049A   | 92049-7002 | 1    | Seal-Oil               |
| 92049B   | 92049-7004 | 1    | Seal-Oil               |
| 92049C   | 92049-7005 | 1    | Seal-Oil               |
| 130      | 130B0612   | 4    | Bolt-Flanged           |
| 130A     | 130B0640   | 4    | Bolt-Flanged           |
| 130B     | 130T0850   | 17   | Bolt-Flanged           |
| 130C     | 130T0875   | 2    | Bolt-Flanged           |

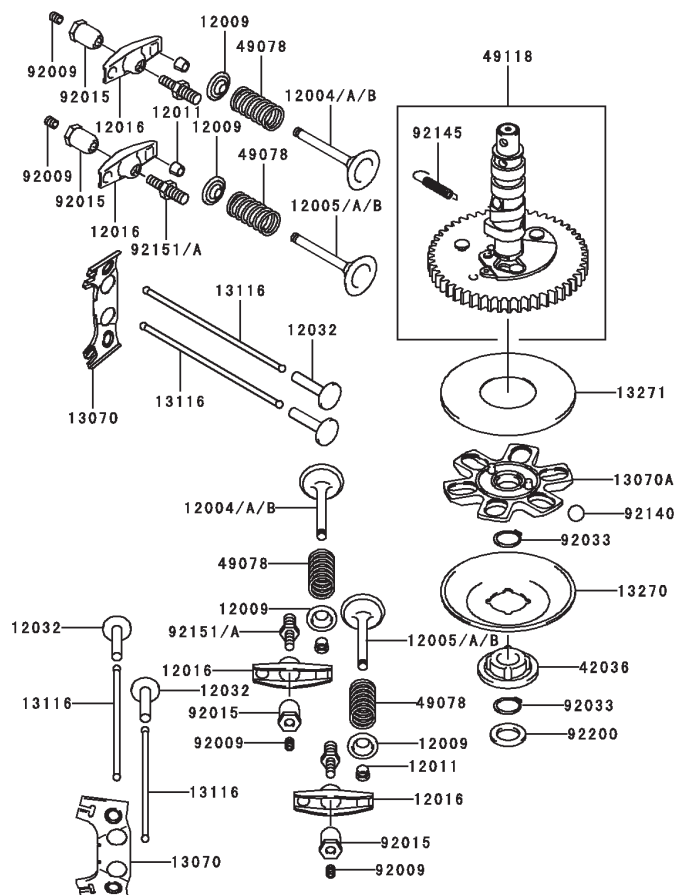
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
| 172      | 172G0818 | 4    | Bolt-Stud   |





# Piston/Crankshaft Assembly Kawasaki FH451V-BS04

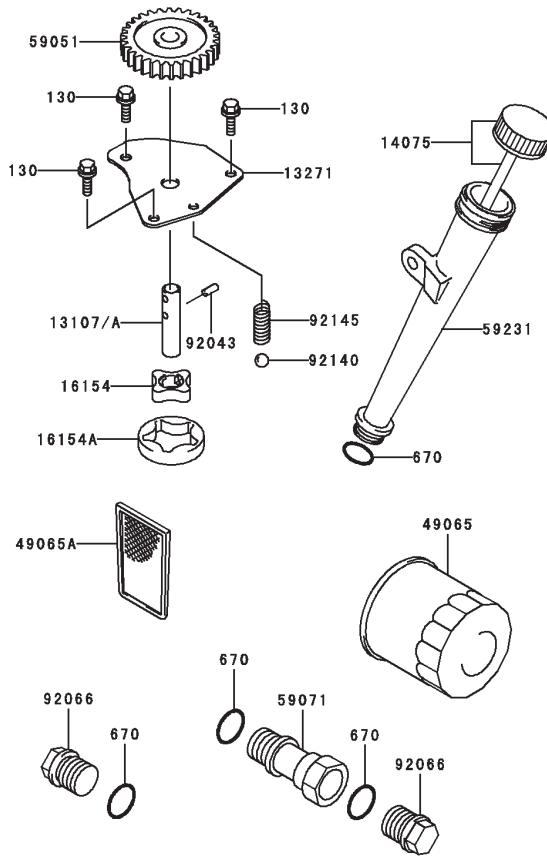
| Ref. No. | Part No.   | Qty. | Description                      |
|----------|------------|------|----------------------------------|
| 13001A   | 13001-7008 | 2    | Piston-Engine                    |
| 13002    | 13002-7001 | 2    | Pin-Piston                       |
| 13008    | 13008-6055 | 2    | Ring-Set-Piston                  |
| 13025    | 13025-7001 | AR   | Ring-Set-Piston<br>L,0.50        |
| 13029A   | 13029-7004 | AR   | Piston-Engine L,0.50             |
| 13031    | 13031-7001 | 1    | Crankshaft-Comp                  |
| 13251    | 13251-7003 | AR   | Rod-Assy-Connecting,<br>U/S=0.50 |
| 13251A   | 13251-7004 | 2    | Rod-Assy-Connecting              |
| 92033A   | 92033-7005 | 4    | Ring-Snap                        |
| 130      | 130G0630   | 4    | Bolt-Flanged                     |



## Valve/Camshaft Assembly Kawasaki FH451V-BS04

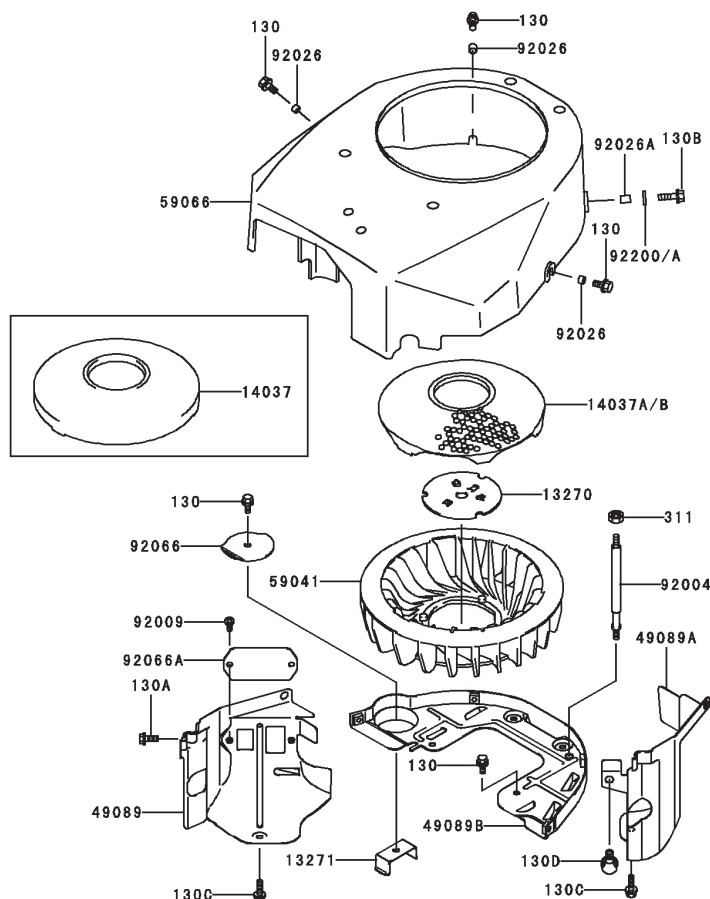
| Ref. No. | Part No.   | Qty. | Description           |
|----------|------------|------|-----------------------|
| 12004A   | 12004-7003 | 2    | Valve-Intake          |
| 12005A   | 12005-7003 | 2    | Valve-Exhaust         |
| 12009    | 12009-7001 | 4    | Retainer-Valve Spring |
| 12011    | 12011-2056 | 8    | Collet                |
| 12016    | 12016-7001 | 4    | Arm-Rocker            |
| 12032    | 12032-7001 | 4    | Tappet                |
| 13070    | 13070-7001 | 2    | Guide                 |
| 13070A   | 13070-7004 | 1    | Guide                 |
| 13116    | 13116-2057 | 4    | Rod-Push              |
| 13270    | 13270-7002 | 1    | Plate                 |
| 13271    | 13271-7007 | 1    | Plate                 |
| 42036    | 42036-7001 | 1    | Sleeve                |
| 49078    | 49078-7001 | 4    | Spring-Engine Valve   |
| 49118    | 49118-7002 | 1    | Camshaft-Comp         |
| 92009    | 92009-2341 | 4    | Screw                 |
| 92015    | 92015-2253 | 4    | Nut                   |
| 92033    | 92033-7001 | 2    | Ring-Snap             |
| 92140    | 92140-7002 | 6    | Ball                  |
| 92145    | 92145-7001 | 1    | Spring                |
| 92151A   | 92151-7019 | 4    | Bolt                  |
| 92200    | 92200-7001 | 1    | Washer                |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



# **Lubrication Equipment Assembly** **Kawasaki FH451V-BS04**

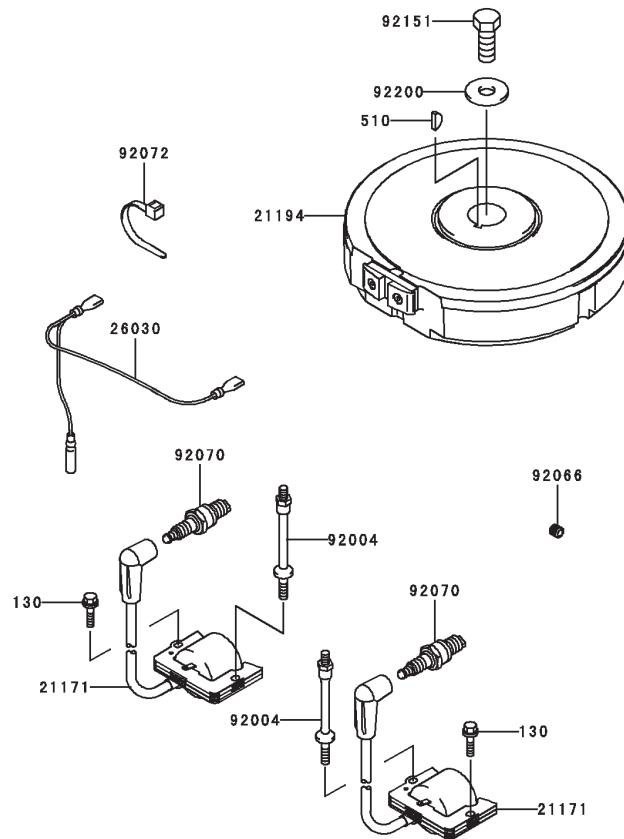
| Ref. No. | Part No.   | Qty. | Description    | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|----------------|----------|----------|------|-------------|
| 13107A   | 13107-7009 | 1    | Shaft          |          |          |      |             |
| 13271    | 13271-7017 | 1    | Plate          |          |          |      |             |
| 14075    | 14075-7001 | 1    | Cap-Assy       |          |          |      |             |
| 16154    | 16154-2053 | 1    | Rotor-Pump,In  |          |          |      |             |
| 16154A   | 16154-2054 | 1    | Rotor-Pump,Out |          |          |      |             |
| 49065    | 49065-2078 | 1    | Filter-Oil     |          |          |      |             |
| 49065A   | 49065-7004 | 1    | Filter-Oil     |          |          |      |             |
| 59051    | 59051-7004 | 1    | Gear-Spur      |          |          |      |             |
| 59071    | 59071-7003 | 1    | Joint          |          |          |      |             |
| 59231    | 59231-7001 | 1    | Filler         |          |          |      |             |
| 92043    | 92043-7003 | 1    | Pin            |          |          |      |             |
| 92066    | 92066-7003 | 2    | Plug           |          |          |      |             |
| 92140    | 92140-7003 | 1    | Ball           |          |          |      |             |
| 92145    | 92145-7002 | 1    | Spring         |          |          |      |             |
| 130      | 130B0612   | 3    | Bolt-Flanged   |          |          |      |             |
| 670      | 670D2016   | 4    | O Ring,16mm    |          |          |      |             |



# Cooling Equipment Assembly Kawasaki FH451V-BS04

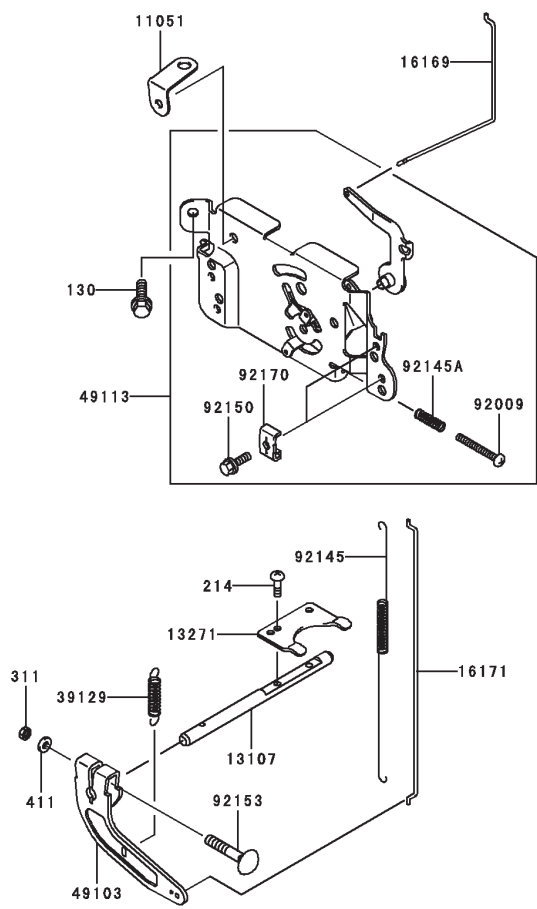
| Ref. No. | Part No.      | Qty. | Description         |
|----------|---------------|------|---------------------|
| 13270    | 13270-7007    | 1    | Plate               |
| 13271    | 13271-7002    | 1    | Plate               |
| 14037A   | 14037-7015-9H | 1    | Screen              |
| 49089    | 49089-7001    | 1    | Shroud-Engine       |
| 49089A   | 49089-7002    | 1    | Shroud-Engine       |
| 49089B   | 49089-7003    | 1    | Shroud-Engine       |
| 59041    | 59041-7001    | 1    | Fan                 |
| 59066    | 59066-7002    | 1    | Housing-Fan         |
| 92004    | 92004-7006    | 2    | Stud                |
| 92009    | 92009-2308    | 2    | Screw               |
| 92026    | 92026-7001    | 3    | Spacer,6.2x7.9x5    |
| 92026A   | 92026-7003    | 1    | Spacer,6.5x7.9x10.5 |
| 92066    | 92066-7004    | 1    | Plug                |
| 92066A   | 92066-7005    | 1    | Plug                |
| 92200    | 92200-2078    | 1    | Washer,6.5x18x2.0   |
| 130      | 130B0612      | 6    | Bolt-Flanged        |
| 130A     | 130B0616      | 2    | Bolt-Flanged        |
| 130B     | 130B0620      | 1    | Bolt-Flanged        |
| 130C     | 130B0625      | 2    | Bolt-Flanged        |
| 130D     | 130B0816      | 1    | Bolt-Flanged        |
| 311      | 311B0600      | 2    | Nut-Hex             |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



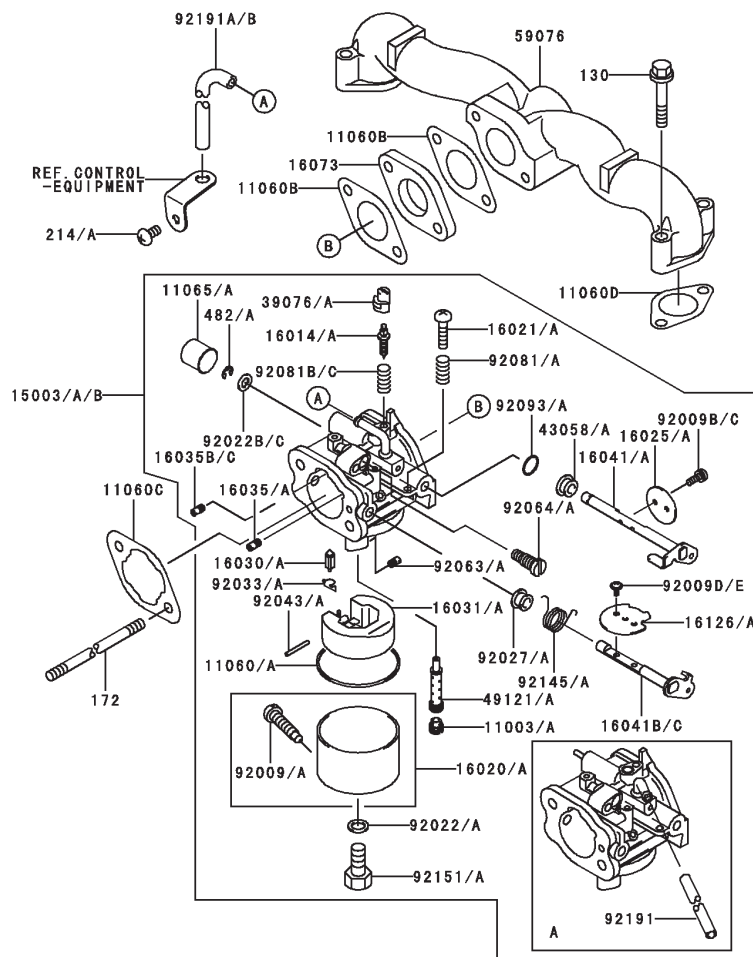
# Electric Equipment Assembly Kawasaki FH451V-BS04

| Ref. No. | Part No.   | Qty. | Description                |
|----------|------------|------|----------------------------|
| 21171    | 21171-7001 | 2    | Coil-Assy-Ignition         |
| 21194    | 21194-7002 | 1    | Flywheel-Comp              |
| 26030    | 26030-7001 | 1    | Harness                    |
| 92004    | 92004-2147 | 2    | Stud                       |
| 92066    | 92066-7002 | 1    | Plug                       |
| 92070    | 92070-7003 | 2    | Plug-Spark,RCJ8Y,<br>Solid |
| 92072    | 92072-7003 | 2    | Band                       |
| 92151    | 92151-2097 | 1    | Bolt,12x30                 |
| 92200    | 92200-7002 | 1    | Washer                     |
| 130      | 130B0620   | 2    | Bolt-Flanged               |
| 510      | 510A5100   | 1    | Key-Woodruff               |



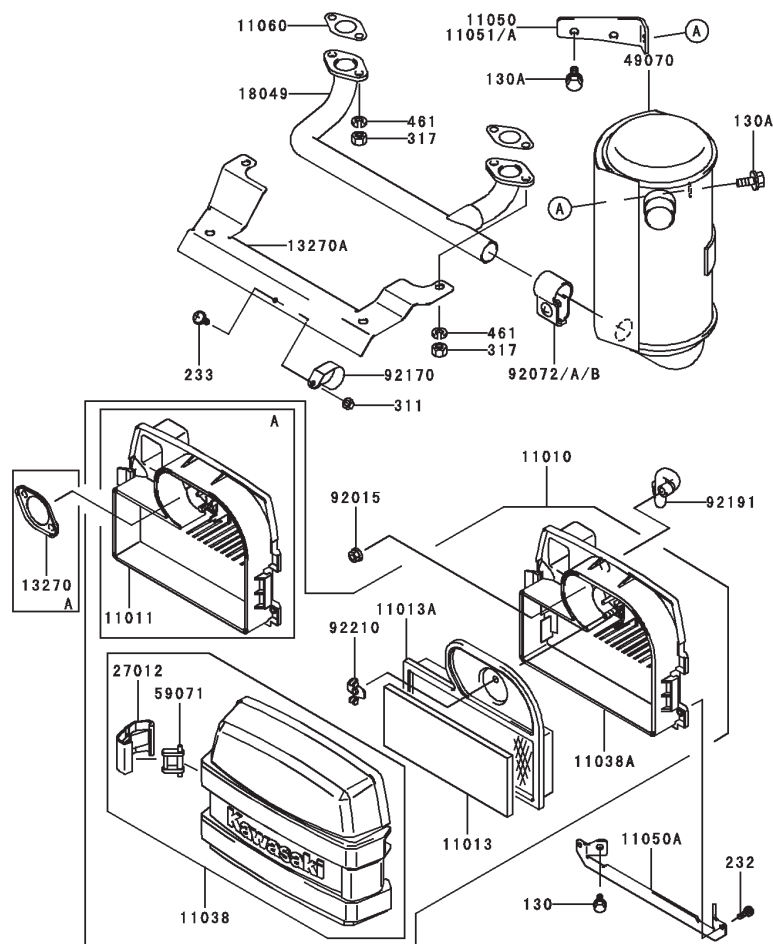
**Control Equipment Assembly**  
**Kawasaki FH451V-BS04**

| Ref. No. | Part No.   | Qty. | Description        | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|--------------------|----------|----------|------|-------------|
| 11051    | 11051-7008 | 1    | Bracket            |          |          |      |             |
| 13107    | 13107-7010 | 1    | Shaft              |          |          |      |             |
| 13271    | 13271-7018 | 1    | Plate              |          |          |      |             |
| 16169    | 16169-7001 | 1    | Link-Choke         |          |          |      |             |
| 16171    | 16171-7001 | 1    | Link               |          |          |      |             |
| 39129    | 39129-7003 | 1    | Spring-Governor    |          |          |      |             |
| 49103    | 49103-7004 | 1    | Arm-Governor       |          |          |      |             |
| 49113    | 49113-7024 | 1    | Panel-Comp-Control |          |          |      |             |
| 92009    | 92009-7007 | 1    | Screw,4x35         |          |          |      |             |
| 92145    | 92145-7003 | 1    | Spring             |          |          |      |             |
| 92145A   | 92145-7005 | 1    | Spring             |          |          |      |             |
| 92150    | 92150-2182 | 2    | Bolt,5x18          |          |          |      |             |
| 92153    | 92153-7005 | 1    | Bolt,6x35          |          |          |      |             |
| 92170    | 92170-7001 | 2    | Clamp              |          |          |      |             |
| 130      | 130B0612   | 2    | Bolt-Flanged       |          |          |      |             |
| 214      | 214B0408   | 2    | Screw-Pan+-        |          |          |      |             |
| 311      | 311B0600   | 1    | Nut-Hex            |          |          |      |             |
| 411      | 411B0600   | 1    | Washer-Plain       |          |          |      |             |



## Carburetor Assembly Kawasaki FH451V-BS04

| Ref. No. | Part No.   | Qty. | Description         | Ref. No. | Part No.   | Qty. | Description        |
|----------|------------|------|---------------------|----------|------------|------|--------------------|
| 11003    | 11003-2105 | 1    | Seat-Valve          | 92009B   | 92009-2024 | 2    | Screw              |
| 11060    | 11060-2406 | 1    | Gasket              | 92009D   | 92009-2081 | 2    | Screw              |
| 11060B   | 11060-7003 | 2    | Gasket,Insulator    | 92022    | 92022-2231 | 1    | Washer             |
| 11060C   | 11060-7004 | 1    | Gasket,Air Filter   | 92022B   | 92022-2239 | 1    | Washer             |
| 11060D   | 11060-7005 | 2    | Gasket,Manifold     | 92027    | 92027-2025 | 1    | Collar             |
| 11065    | 11065-2061 | 1    | Cap                 | 92033    | 92033-2067 | 1    | Ring-Snap          |
| 15003A   | 15003-7036 | 1    | Carburetor-Assy     | 92043    | 92043-2226 | 1    | Pin                |
| 16014    | 16014-2080 | 1    | Screw-Pilot Air     | 92063    | 92063-2358 | 1    | Jet-Main,#125      |
| 16020    | 16020-2141 | 1    | Chamber-Float       | 92064    | 92064-2125 | 1    | Jet-Pilot,#48.8    |
| 16021    | 16021-2060 | 1    | Screw-Throttle Stop | 92081    | 92081-2009 | 1    | Spring             |
| 16025    | 16025-2193 | 1    | Valve-Throttle,#130 | 92081B   | 92081-2256 | 1    | Spring             |
| 16030    | 16030-2067 | 1    | Valve-Float         | 92093    | 92093-2002 | 1    | Seal               |
| 16031    | 16031-2066 | 1    | Float               | 92145    | 92145-2061 | 1    | Spring             |
| 16035    | 16035-2060 | 1    | Jet-Air,#1.7        | 92151    | 92151-2092 | 1    | Bolt               |
| 16035B   | 16035-2061 | 1    | Jet-Air,#1.2        | 92191A   | 92191-7016 | 1    | Tube,4.76x7.94x225 |
| 16041    | 16041-7005 | 1    | Shaft-Carburetor    | 130      | 130B0635   | 4    | Bolt-Flanged       |
| 16041B   | 16041-7006 | 1    | Shaft-Carburetor    | 172      | 172G0685   | 2    | Bolt-Stud          |
| 16073    | 16073-7001 | 1    | Insulator           | 214      | 214B0510   | 1    | Screw-Pan+-        |
| 16126    | 16126-7007 | 1    | Valve               | 482      | 482L4000   | 1    | Circlip-Type-E     |
| 39076    | 39076-2053 | 1    | Limiter             |          |            |      |                    |
| 43058    | 43058-3716 | 1    | Ring                |          |            |      |                    |
| 49121    | 49121-2222 | 1    | Nozzle-Main,#113a   |          |            |      |                    |
| 59076    | 59076-7001 | 1    | Manifold-Intake     |          |            |      |                    |
| 92009    | 92009-2015 | 1    | Screw               |          |            |      |                    |

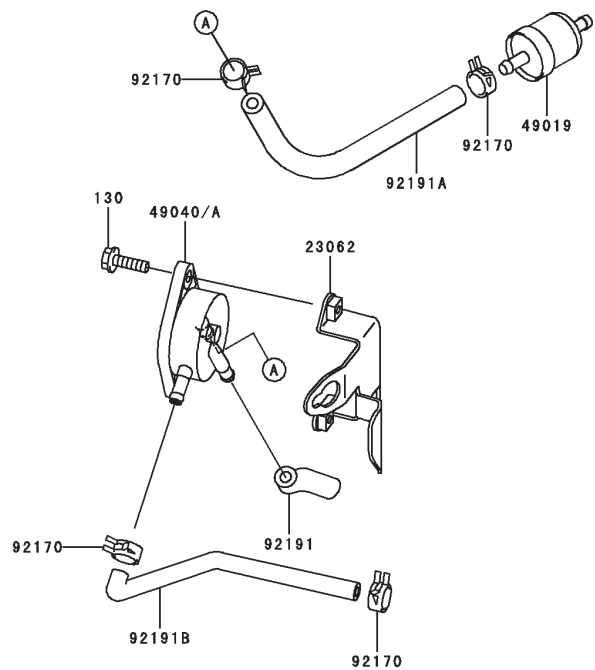


## Air Filter/Muffler Assembly Kawasaki FH451V-BS04

| Ref. No. | Part No.      | Qty. | Description          |
|----------|---------------|------|----------------------|
| 11010    | 11010-7001    | 1    | Filter-Assy-Air      |
| 11013    | 11013-7001    | 1    | Element-Air Filter   |
| 11013A   | 11013-7002    | 1    | Element-Air Filter   |
| 11038    | 11038-7001    | 1    | Case-Assy-Air Filter |
| 11038A   | 11038-7003    | 1    | Case-Assy-Air Filter |
| 11050A   | 11050-7006    | 1    | Bracket              |
| 11051    | 11051-7005-9H | 1    | Bracket              |
| 11060    | 11060-7021    | 2    | Gasket,Muffler       |
| 13270A   | 13270-7008    | 1    | Plate                |
| 18049    | 18049-7001    | 1    | Pipe-Exhaust         |
| 27012    | 27012-7001    | 2    | Hook,Air Filter      |
| 49070    | 49070-7002    | 1    | Muffler-Comp         |
| 59071    | 59071-7001    | 2    | Joint                |
| 92015    | 92015-1193    | 2    | Nut                  |
| 92072A   | 92072-7007    | 1    | Band                 |
| 92170    | 92170-7002    | 1    | Clamp                |
| 92191    | 92191-7001    | 1    | Tube                 |
| 92210    | 92210-7004    | 1    | Nut                  |
| 130      | 130B0612      | 2    | Bolt-Flanged         |
| 130A     | 130B0816      | 2    | Bolt-Flanged         |
| 232      | 232B0514      | 2    | Screw-Pan-WS+-       |
| 233      | 233B0416      | 1    | Screw-Pan-WP+-       |
| 311      | 311B0400      | 1    | Nut-Hex              |
| 317      | 317R0800      | 4    | Nut-Hex-Small        |

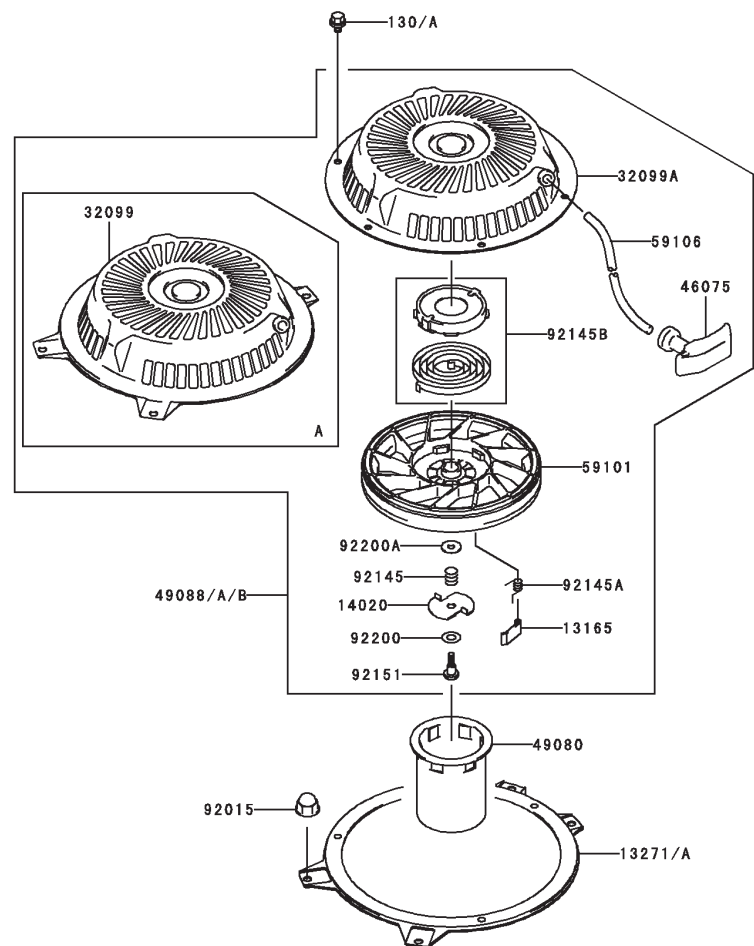
| Ref. No. | Part No. | Qty. | Description   |
|----------|----------|------|---------------|
| 461      | 461F0800 | 4    | Washer-Spring |





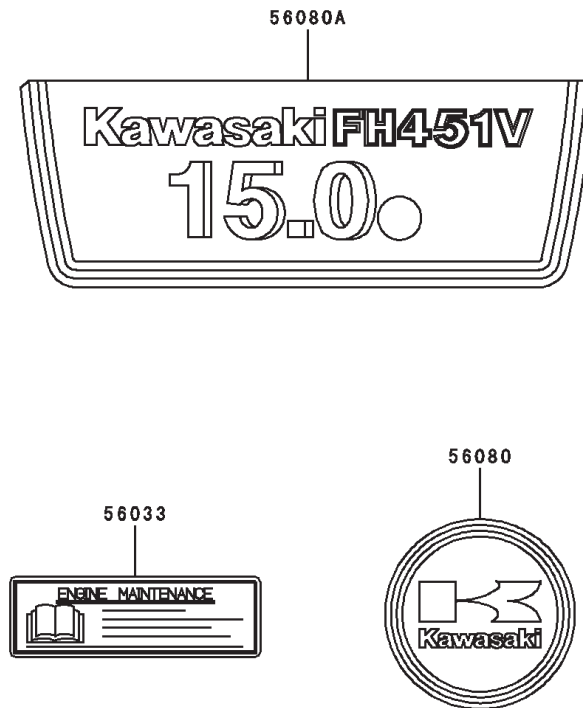
**Fuel Tank/Fuel Valve Assembly**  
**Kawasaki FH451V-BS04**

| Ref. No. | Part No.      | Qty. | Description        | Ref. No. | Part No. | Qty. | Description |
|----------|---------------|------|--------------------|----------|----------|------|-------------|
| 23062    | 23062-7004-9H | 1    | Bracket-Comp       |          |          |      |             |
| 49019    | 49019-7001    | 1    | Filter-Fuel        |          |          |      |             |
| 49040A   | 49040-7001    | 1    | Pump-Fuel          |          |          |      |             |
| 92170    | 92170-2088    | 4    | Clamp              |          |          |      |             |
| 92191    | 92191-7002    | 1    | Tube               |          |          |      |             |
| 92191A   | 92191-7003    | 1    | Tube,6.35x12.7x160 |          |          |      |             |
| 92191B   | 92191-7004    | 1    | Tube               |          |          |      |             |
| 130      | 130B0620      | 2    | Bolt-Flanged       |          |          |      |             |



**Starter Assembly**  
**Kawasaki FH451V-BS04**

| Ref. No. | Part No.      | Qty. | Description         | Ref. No. | Part No. | Qty. | Description |
|----------|---------------|------|---------------------|----------|----------|------|-------------|
| 13165    | 13165-7001    | 2    | Pawl,Recoil Starter |          |          |      |             |
| 13271    | 13271-7003-9H | 1    | Plate               |          |          |      |             |
| 14020    | 14020-7001    | 1    | Retainer            |          |          |      |             |
| 32099    | 32099-7002    | 1    | Case,Recoil Starter |          |          |      |             |
| 46075    | 46075-7001    | 1    | Grip,Recoil Starter |          |          |      |             |
| 49080    | 49080-7001    | 1    | Pulley-Starting     |          |          |      |             |
| 49088    | 49088-7002    | 1    | Starter-Recoil      |          |          |      |             |
| 59101    | 59101-7001    | 1    | Reel,Recoil Starter |          |          |      |             |
| 59106    | 59106-7001    | 1    | Rope                |          |          |      |             |
| 92015    | 92015-1170    | 4    | Nut                 |          |          |      |             |
| 92145    | 92145-7006    | 1    | Spring              |          |          |      |             |
| 92145A   | 92145-7007    | 2    | Spring              |          |          |      |             |
| 92145B   | 92145-7008    | 1    | Spring              |          |          |      |             |
| 92151    | 92151-7008    | 1    | Bolt                |          |          |      |             |
| 92200    | 92200-7004    | 1    | Washer              |          |          |      |             |
| 92200A   | 92200-7005    | 1    | Washer              |          |          |      |             |
| 130      | 130B0608      | 3    | Bolt-Flanged        |          |          |      |             |



# Label Assembly

## Kawasaki FH451V-BS04

| Ref. No. | Part No.   | Qty. | Description  |
|----------|------------|------|--------------|
| 56033    | 56033-7001 | 1    | Label-Manual |
| 56080    | 56080-2077 | 1    | Label-Brand  |
| 56080A   | 56080-7010 | 1    | Label-Brand  |

