



## 21in Heavy-Duty Recycler<sup>®</sup>/Rear Bagger Lawn Mower

Model No. 22191 - 270000001 and up.

### Parts Catalog

#### Ordering Replacement Parts

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

#### Understanding Reference Numbers

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

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

#### Service Assembly Reference Numbers

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

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

#### Reference Numbers Indicating Quantity

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

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

## Contents

| Description                                          | Page     | Description                                            | Page     |
|------------------------------------------------------|----------|--------------------------------------------------------|----------|
| Housing, Chute and Wheel Assembly                    | ..... 3  | Lubrication Equipment Assembly Kawasaki FJ180V-AS36    | ..... 16 |
| Housing Assembly No. 98-7146                         | ..... 4  | Cooling Equipment Assembly Kawasaki FJ180V-AS36        | ..... 17 |
| Front Wheel and Tire Assembly No. 100-2870           | ..... 5  | Electric Equipment Assembly Kawasaki FJ180V-AS36       | ..... 18 |
| Engine and Blade Assembly                            | ..... 6  | Control Equipment Assembly Kawasaki FJ180V-AS36        | ..... 19 |
| Lower Handle Assembly                                | ..... 8  | Carburetor Assembly Kawasaki FJ180V-AS36               | ..... 20 |
| Control Panel Assembly                               | ..... 9  | Air Filter and Muffler Assembly Kawasaki FJ180V-AS36   | ..... 21 |
| Rear Drive and Wheel Assembly                        | ..... 10 | Fuel Tank and Fuel Valve Assembly Kawasaki FJ180V-AS36 | ..... 22 |
| Rear Wheel Assembly No. 100-2860                     | ..... 11 | Starter Assembly Kawasaki FJ180V-AS36                  | ..... 23 |
| Grass Bag Assembly No. 106-0975                      | ..... 12 | Label Assembly Kawasaki FJ180V-AS36                    | ..... 24 |
| Cylinder and Crankcase Assembly Kawasaki FJ180V-AS36 | ..... 13 |                                                        |          |
| Piston and Crankshaft Assembly Kawasaki FJ180V-AS36  | ..... 14 |                                                        |          |
| Valve and Camshaft Assembly Kawasaki FJ180V-AS36     | ..... 15 |                                                        |          |

## Part Description Abbreviations

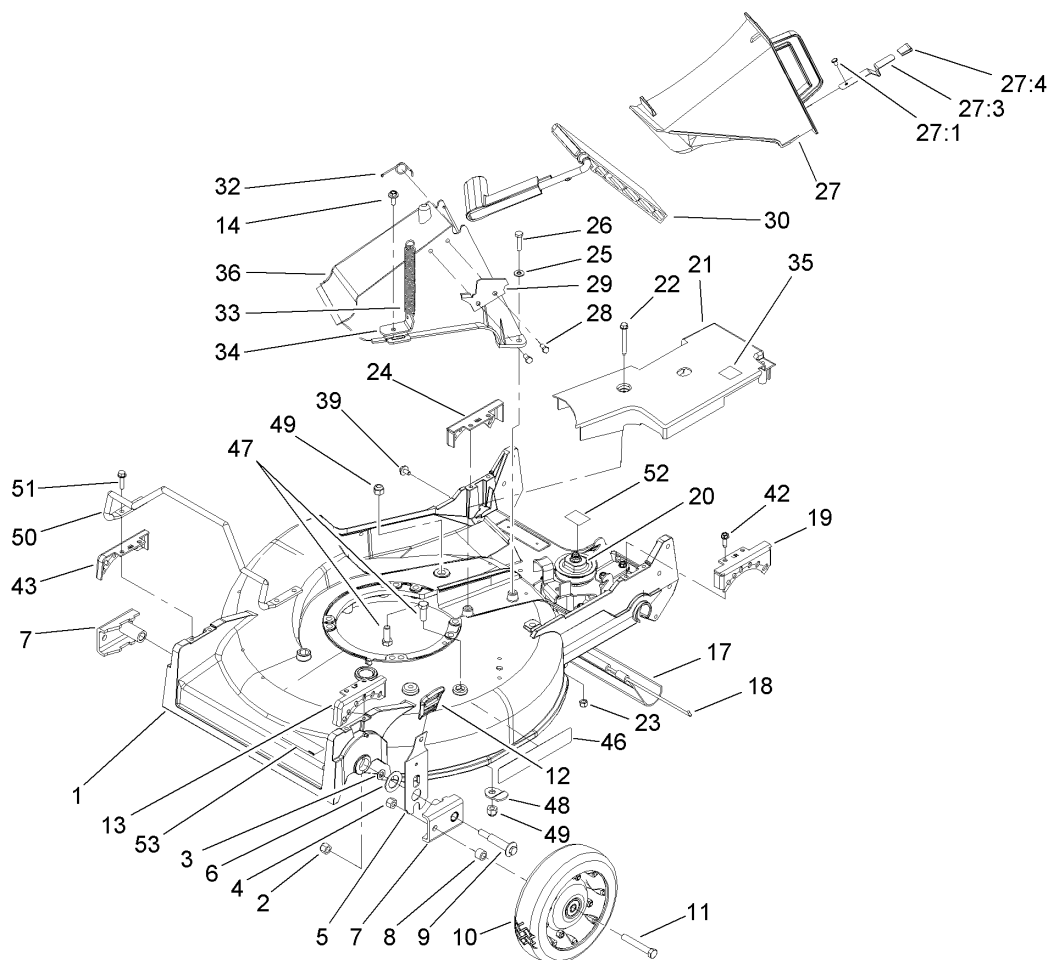
Part descriptions in this catalog may include the following abbreviations.

|                                            |                                              |
|--------------------------------------------|----------------------------------------------|
| AR. .... as required                       | HYD. .... hydraulic                          |
| ASM. .... assembly                         | LH. .... left hand                           |
| BBC. .... blade brake clutch               | NI. .... nylon insert                        |
| CARR. .... carriage                        | NPTF. .... national pipe thread fine         |
| DEG. .... degrees                          | PFH. .... phillips flat head                 |
| EXT. .... external                         | PPH. .... phillips pan head                  |
| FH. .... flat head                         | PPHTF. .... phillips pan head thread forming |
| GA. .... gauge                             | PRH. .... phillips round head                |
| HD. .... heavy-duty                        | PTH. .... phillips truss head                |
| HF. .... hex flange                        | PTO. .... power-take-off                     |
| HH. .... hex head                          | RH. .... right hand                          |
| HHF. .... hex head flange                  | ROPS. .... roll-over protection system       |
| HHFTF. .... hex head flange thread forming | SFH. .... slotted fillister head             |
| HJ. .... hex jam                           | SHH. .... slotted hex head                   |
| HLH. .... hex lag head                     | SHWH. .... slotted hex washer head           |
| HOC. .... height-of-cut                    | SPH. .... slotted pan head                   |
| HSBH. .... hex socket button head          | SQH. .... square head                        |
| HSFH. .... hex socket flat head            | SRH. .... slotted round head                 |
| HS. .... hex socket head                   | STD. .... standard                           |
| HWH. .... hex washer head                  | TAP. .... self tapping                       |
| HWHTF. .... hex washer head thread forming | TTH. .... torx truss head                    |

## Footnotes

- ❶ Not illustrated
- ❷ Obtain from your local Kawasaki dealer

- ❸ Not serviced separately

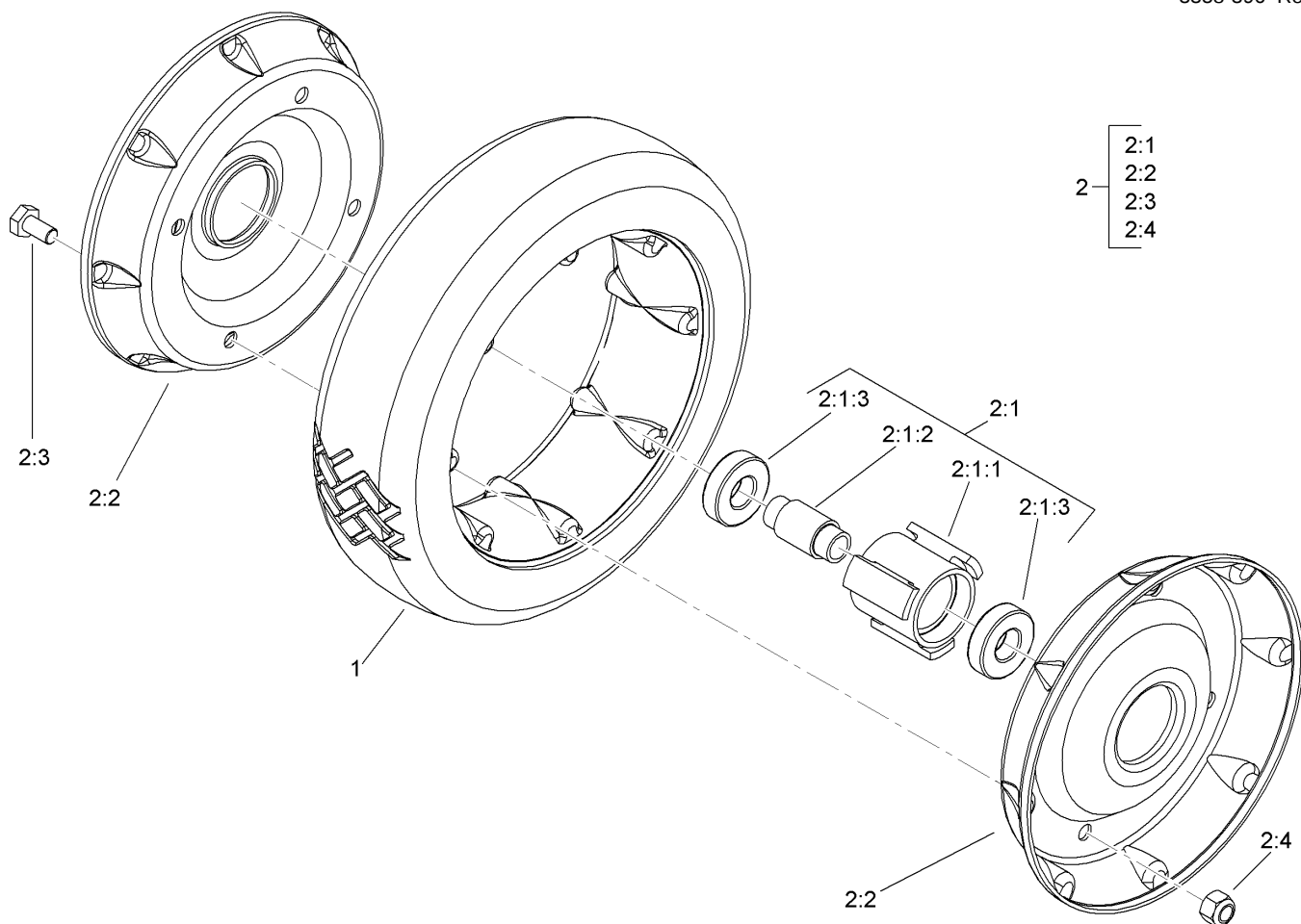


## Housing, Chute and Wheel Assembly

| Ref | Part No. | Qty. | Description        |
|-----|----------|------|--------------------|
| 1   | 98-7146  | 1    | Housing            |
| 2   | 3296-6   | 2    | Nut-Lock           |
| 3   | 40-1940  | 2    | Washer             |
| 4   | 32152-2  | 2    | Nut-Lock, Cone     |
| 5   | 110-0537 | 2    | Spring Arm ASM     |
| 6   | 257-3    | 2    | Washer-Thrust      |
| 7   | 61-8300  | 2    | Arm-Pivot, Front   |
| 8   | 52-2480  | 2    | Spacer-Wheel       |
| 9   | 27-6232  | 2    | Bolt-Wheel         |
| 10  | 100-2870 | 2    | Wheel And Tire ASM |
| 11  | 323-12   | 2    | Screw-HH           |
| 12  | 110-0549 | 2    | Knob-HOC           |
| 13  | 49-8760  | 1    | Quadrant-Front, LH |
| 14  | 46-6811  | 1    | Screw-HWH          |
| 17  | 112-9989 | 1    | Shield-Trailing    |
| 18  | 33-3208  | 1    | Rod-Shield         |
| 19  | 49-8740  | 1    | Quadrant-Rear, LH  |
| 20  | 74-1860  | 1    | Gear Case ASM      |
| 21  | 74-1770  | 1    | Cover-Belt         |
| 22  | 37-7260  | 2    | Screw-HHFTF        |
| 23  | 3296-42  | 2    | Nut-Lock, NI       |
| 24  | 49-8750  | 1    | Quadrant-Rear, RH  |
| 25  | 3256-22  | 2    | Washer-Flat        |
| 26  | 321-8    | 2    | Screw-HH           |

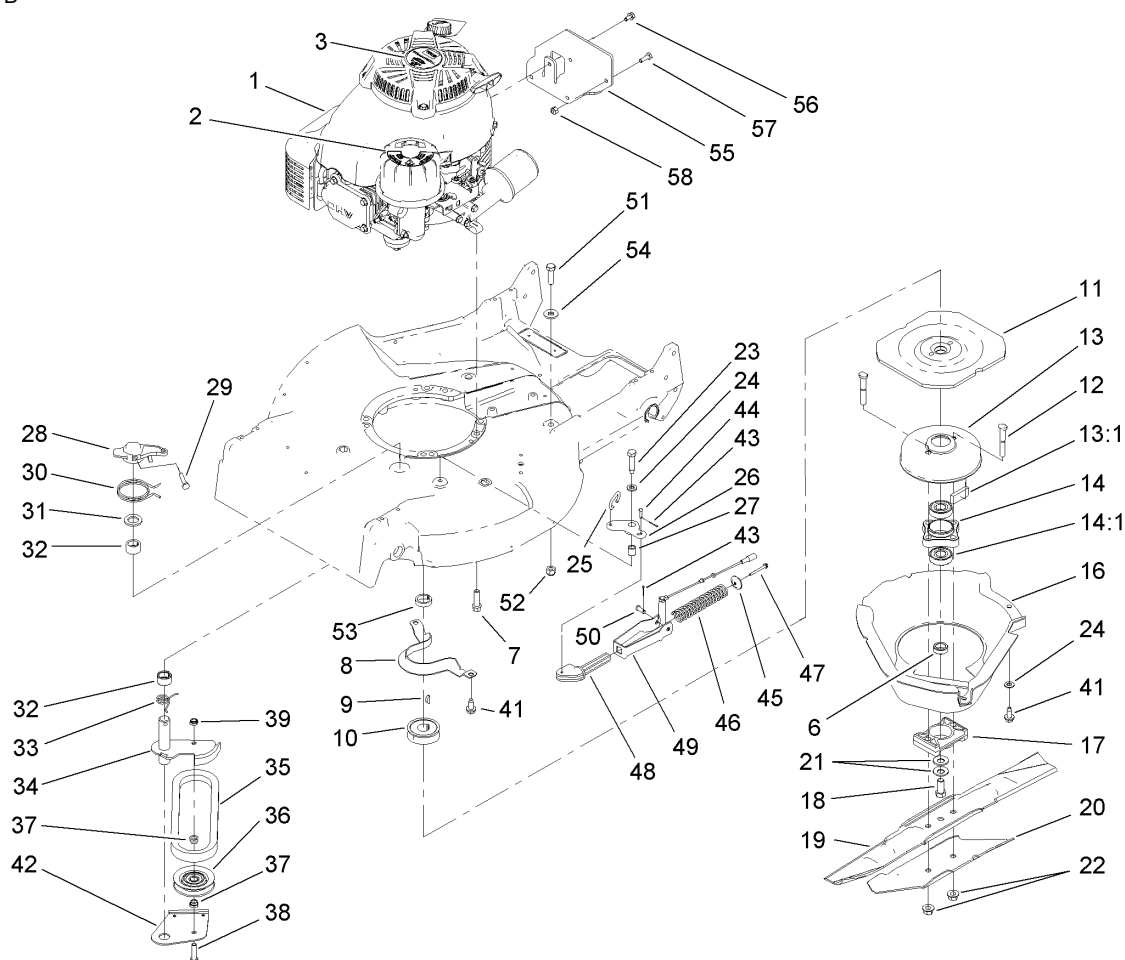
| Ref  | Part No. | Qty. | Description           |
|------|----------|------|-----------------------|
| 27   | 77-0500  | 1    | Discharge Plug ASM    |
| 27:1 | 3295-35  | 1    | Rivet-Head, Flat      |
| 27:3 | 76-4640  | 1    | Latch-Plug, Discharge |
| 27:4 | 76-4650  | 1    | Grip-Latch            |
| 28   | 46-8090  | 2    | Screw-Plastite        |
| 29   | 93-3154  | 1    | Latch-Plate           |
| 30   | 93-7351  | 1    | Discharge Door ASM    |
| 32   | 80-3770  | 1    | Retainer-Door         |
| 33   | 76-4660  | 1    | Spring-Door           |
| 34   | 71-9350  | 1    | Bracket-Spring        |
| 35   | 52-2620  | 1    | Label-Grease          |
| 36   | 82-9152  | 1    | Tunnel-Discharge      |
| 39   | 46-6810  | 1    | Screw And Washer ASM  |
| 42   | 49-2040  | 4    | Screw-HWHTF           |
| 43   | 49-8770  | 1    | Quadrant-Front, RH    |
| 46   | 106-0689 | 1    | Decal                 |
| 47   | 323-6    | 3    | Screw-HH              |
| 48   | 84-8930  | 2    | Shield-Retainer       |
| 49   | 3296-39  | 3    | Nut-Lock, NI          |
| 50   | 99-6722  | 1    | Guard-Engine          |
| 51   | 32144-86 | 4    | Screw-HWHTF           |
| 52   | 92-1779  | 1    | Decal-Warning         |
| 53   | 68-7410  | 1    | Decal-Blade           |





## Front Wheel and Tire Assembly No. 100-2870

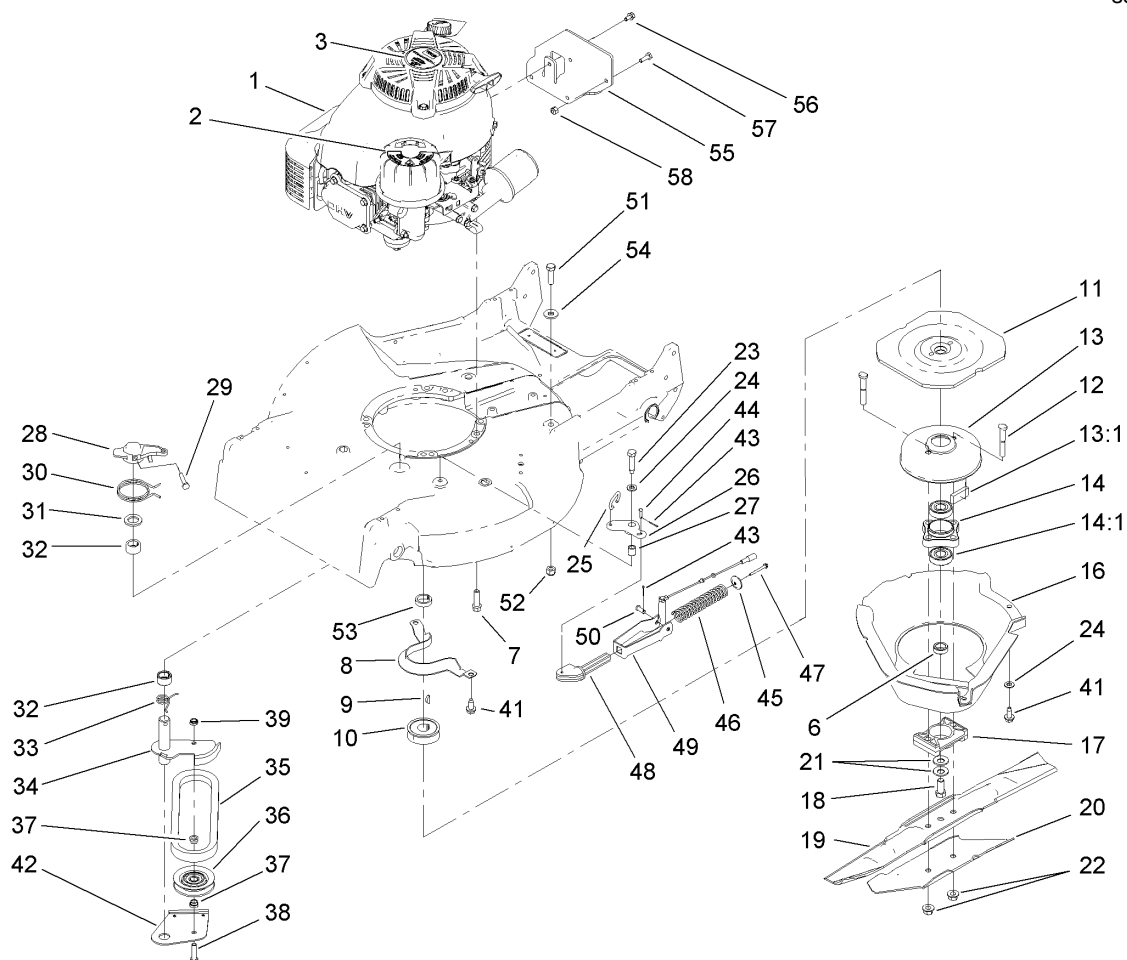
| Ref   | Part No.   | Qty. | Description         |  |  |  |  |
|-------|------------|------|---------------------|--|--|--|--|
| 1     | 53-7740    | 1    | Tire                |  |  |  |  |
| 2     |            | 1    | Wheel ASM           |  |  |  |  |
| 2:1   |            | 1    | Hub And Bearing ASM |  |  |  |  |
| 2:1:1 | 52-2410    | 1    | Hub-Bearing         |  |  |  |  |
| 2:1:2 | 52-2440    | 1    | Spacer-Bearing      |  |  |  |  |
| 2:1:3 | 52-2450    | 2    | Bearing-Wheel       |  |  |  |  |
| 2:2   | 53-7780-06 | 2    | Plate-Wheel, Half   |  |  |  |  |
| 2:3   | 321-2      | 4    | Screw-HH            |  |  |  |  |
| 2:4   | 3296-42    | 4    | Nut-Lock, NI        |  |  |  |  |



## Engine and Blade Assembly

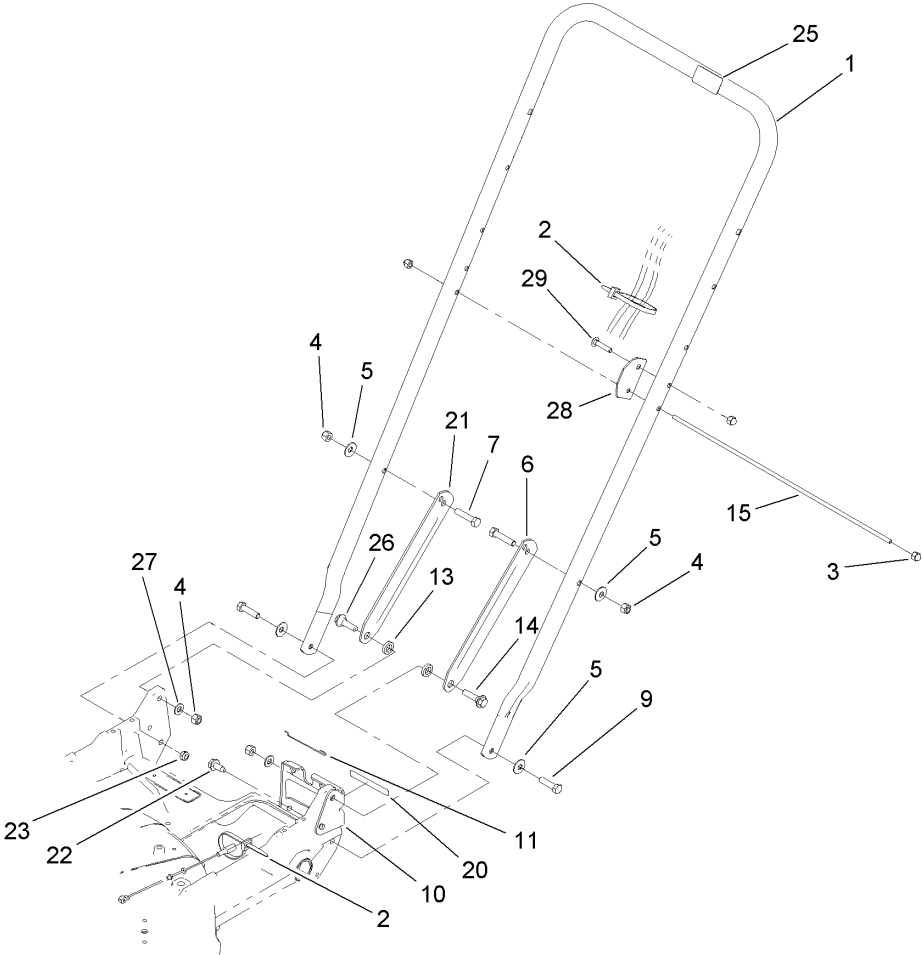
| Ref  | Part No.   | Qty. | Description                  |
|------|------------|------|------------------------------|
| 1    | 114-3433   | 1    | Engine-Kawasaki, Fj180V-As36 |
| 2    | 114-3415   | 1    | Decal-Air Cleaner, Kai       |
| 3    | 112-9967   | 1    | Decal                        |
| 6    | 107-4058   | 1    | Spacer-Shaft, Output         |
| 7    | 95-1727    | 4    | Screw-Taptite                |
| 8    | 66-0570-03 | 1    | Bracket-Guide, Belt          |
| 9    | 3257-17    | 1    | Key-Woodruff                 |
| 10   | 56-6180    | 1    | Pulley-Driver                |
| 11   | 56-6160-03 | 1    | Flywheel-BBC                 |
| 12   | 42-3190    | 2    | Bolt-Blade                   |
| 13   | 94-9431    | 1    | Brake Drum ASM               |
| 13:1 | 52-3480    | 2    | Dampener-Vibration           |
| 14   | 42-6890    | 1    | Hub ASM                      |
| 14:1 | 100-1048   | 2    | Bearing-Ball                 |
| 16   | 46-5693    | 1    | Shield                       |
| 17   | 107-4275   | 1    | Spacer-Blade                 |
| 18   | 3212-4     | 1    | Screw-HH                     |
| 19   | 91-2256-03 | 1    | Blade-21 Inch                |
| 20   | 91-2255-03 | 1    | Stiffener-Blade              |
| 21   | 1-603610   | 2    | Washer-Spring                |
| 22   | 54-9190    | 2    | Nut-Lock                     |
| 23   | 32104-107  | 1    | Screw-HH                     |
| 24   | 3256-23    | 3    | Washer-Flat                  |
| 25   | 49-2810    | 1    | Link-Control                 |

| Ref | Part No.    | Qty. | Description          |
|-----|-------------|------|----------------------|
| 26  | 49-7960     | 1    | Bellcrank            |
| 27  | 49-7950     | 1    | Sleeve-Bellcrank     |
| 28  | 49-2820     | 1    | Lever                |
| 29  | 32104-96    | 1    | Screw-HH             |
| 30  | 49-7970     | 1    | Spring-Torsion       |
| 31  | 70-1160     | 1    | Washer               |
| 32  | 68-9780     | 2    | Bearing              |
| 33  | 85-6880     | 1    | Spring-Torsion       |
| 34  | 84-9130     | 1    | Arm-Idler            |
| 35  | 42-0884     | 1    | V-Belt               |
| 36  | 46-5650     | 1    | Pulley-Idler         |
| 37  | 46-5631     | 2    | Spacer-Pulley, Idler |
| 38  | 322-6       | 1    | Screw-HH             |
| 39  | 3296-47     | 1    | Nut-Lock, NI         |
| 41  | 32144-70    | 3    | Screw-HWHTF          |
| 42  | 84-9180     | 1    | Brake Plate ASM      |
| 43  | 3272-1      | 2    | Pin-Cotter           |
| 44  | 84-9050     | 1    | Pin-Spring           |
| 45  | 65-5280     | 1    | Retainer-Spring      |
| 46  | 84-9100     | 1    | Spring               |
| 47  | 46-7040     | 1    | Screw-HWHTF          |
| 48  | 106-0842    | 1    | Guide-Spring         |
| 49  | 107-4087-03 | 1    | Bracket-Spring       |
| 50  | 84-9040     | 1    | Pin-Cable            |



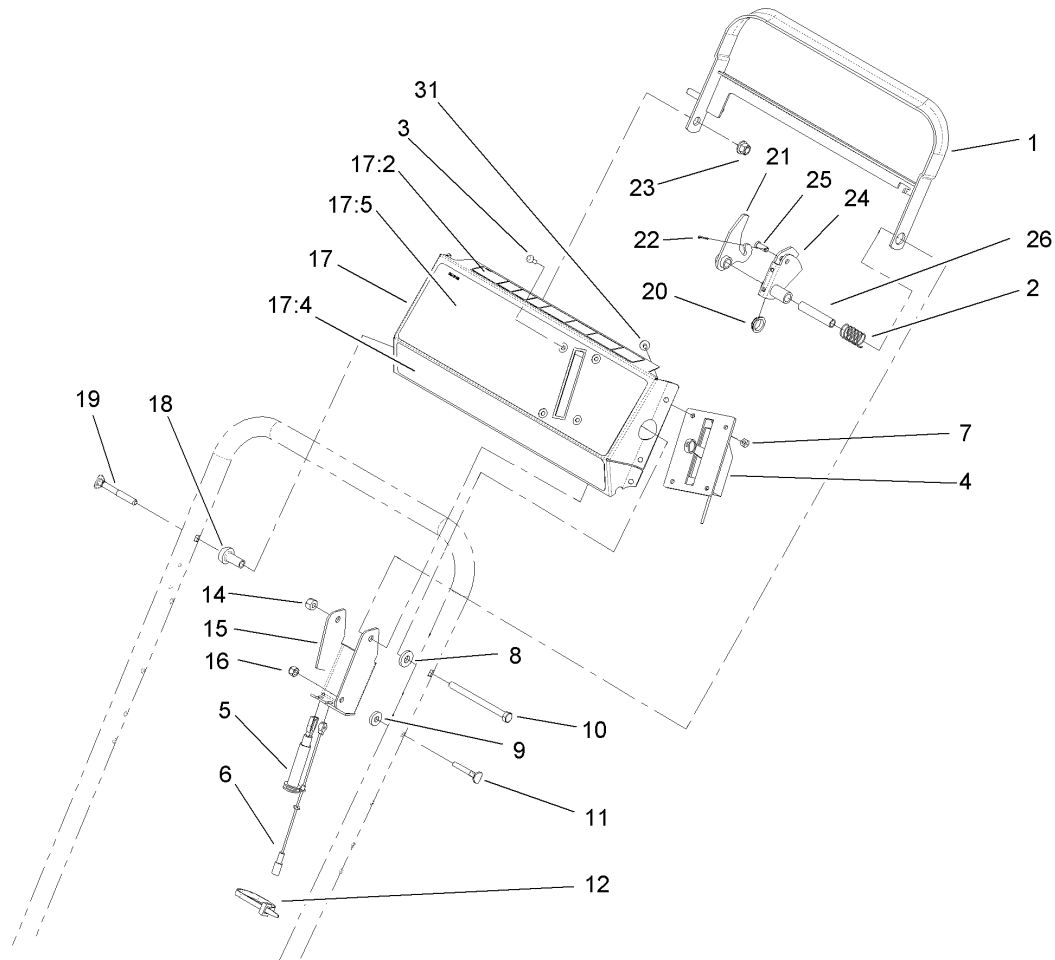
## Engine and Blade Assembly (continued)

| Ref | Part No.    | Qty. | Description           |  |  |  |  |
|-----|-------------|------|-----------------------|--|--|--|--|
| 51  | 323-7       | 1    | Screw-HH              |  |  |  |  |
| 52  | 3296-39     | 1    | Nut-Lock, NI          |  |  |  |  |
| 53  | 110-2142    | 1    | Spacer-Pulley         |  |  |  |  |
| 54  | 80-6990     | 1    | Washer-Hardened       |  |  |  |  |
| 55  | 112-9730-03 | 1    | Bracket-Adapter, Tank |  |  |  |  |
| 56  | 115-1004    | 1    | Screw-HWH             |  |  |  |  |
| 57  | 321-4       | 2    | Screw-HH              |  |  |  |  |
| 58  | 3296-42     | 2    | Nut-Lock, NI          |  |  |  |  |



Lower Handle Assembly

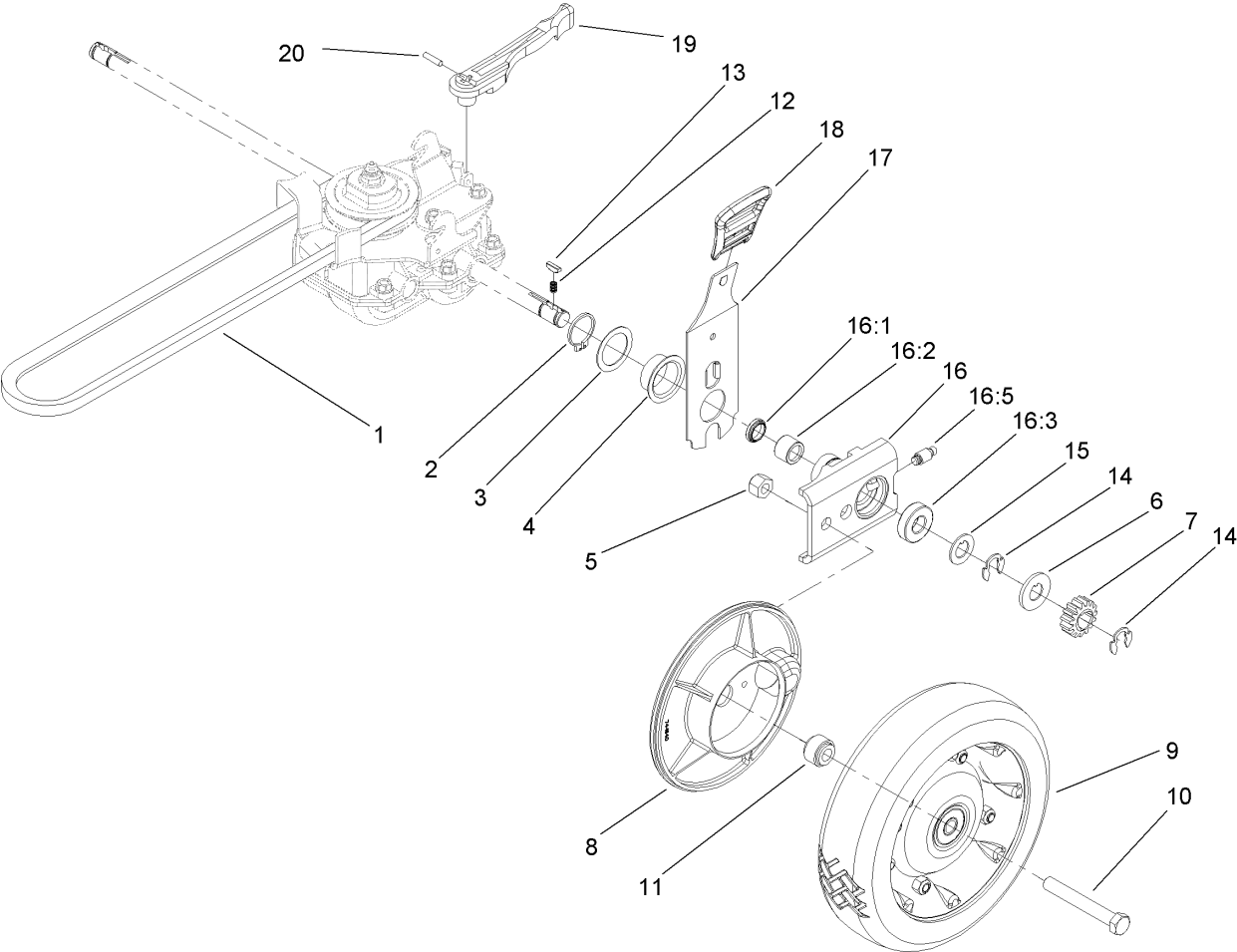
| Ref | Part No.    | Qty. | Description                  |  |  |  |  |
|-----|-------------|------|------------------------------|--|--|--|--|
| 1   | 98-2385-03  | 1    | Handle                       |  |  |  |  |
| 2   | 3290-378    | 3    | Tie-Cable                    |  |  |  |  |
| 3   | 32111-7     | 3    | Nut-Cap                      |  |  |  |  |
| 4   | 3296-29     | 4    | Nut-Lock, NI                 |  |  |  |  |
| 5   | 3290-456    | 4    | Washer-Belleville            |  |  |  |  |
| 6   | 100-3298-03 | 1    | Latch-Handle, LH             |  |  |  |  |
| 7   | 322-7       | 2    | Screw-HH                     |  |  |  |  |
| 9   | 322-6       | 2    | Screw-HH                     |  |  |  |  |
| 10  | 74-1741     | 1    | Bracket-Adjustment, Traction |  |  |  |  |
| 11  | 46-7030     | 1    | Retainer-Cable               |  |  |  |  |
| 13  | 3-3287      | 2    | Spacer-Latch, Handle         |  |  |  |  |
| 14  | 27-7210     | 1    | Screw-Shoulder               |  |  |  |  |
| 15  | 48-2810     | 1    | Rod-Support, Bag             |  |  |  |  |
| 20  | 74-1970     | 1    | Decal-Position, Gear         |  |  |  |  |
| 21  | 100-3297-03 | 1    | Latch-Handle, RH             |  |  |  |  |
| 22  | 32144-70    | 1    | Screw-HWHTF                  |  |  |  |  |
| 23  | 3296-47     | 2    | Nut-Lock, NI                 |  |  |  |  |
| 25  | 98-4387     | 1    | Decal-Protection, Ear        |  |  |  |  |
| 26  | 27-7211     | 1    | Screw-Shoulder               |  |  |  |  |
| 27  | 3256-23     | 2    | Washer-Flat                  |  |  |  |  |
| 28  | 104-1326    | 1    | Plate-Aligning, Bag          |  |  |  |  |
| 29  | 3229-3      | 1    | Screw-CARR                   |  |  |  |  |



## Control Panel Assembly

| Ref  | Part No.   | Qty. | Description          |
|------|------------|------|----------------------|
| 1    | 84-8940-03 | 1    | Bar-Control          |
| 2    | 85-6750    | 1    | Spring-Control       |
| 3    | 3250-12    | 4    | Screw-PPH            |
| 4    | 114-3447   | 1    | Control-Throttle     |
| 5    | 84-9120    | 1    | Cable-Traction       |
| 6    | 84-9110    | 1    | Cable-Clutch         |
| 7    | 3296-2     | 4    | Nut-Lock             |
| 8    | 71-9310    | 1    | Spacer               |
| 9    | 71-9320    | 1    | Spacer               |
| 10   | 322-19     | 1    | Screw-HH             |
| 11   | 46-6430    | 1    | Screw-Handle         |
| 12   | 3290-378   | 1    | Tie-Cable            |
| 14   | 3296-29    | 1    | Nut-Lock, NI         |
| 15   | 92-1778-03 | 1    | Bracket-Control      |
| 16   | 3296-42    | 1    | Nut-Lock, NI         |
| 17   | 112-9739   | 1    | Panel ASM            |
| 17:2 | 104-8582   | 1    | Decal-Panel, Danger  |
| 17:4 | 106-0771   | 1    | Decal-Panel          |
| 17:5 | 112-9731   | 1    | Decal-Panel, Control |
| 18   | 49-1631    | 1    | Spacer-Support       |
| 19   | 17-9427    | 1    | Screw                |
| 20   | 86-9320    | 1    | Bushing-Flange       |
| 21   | 84-9000    | 1    | Lever-Traction       |
| 22   | 3272-1     | 1    | Pin-Cotter           |

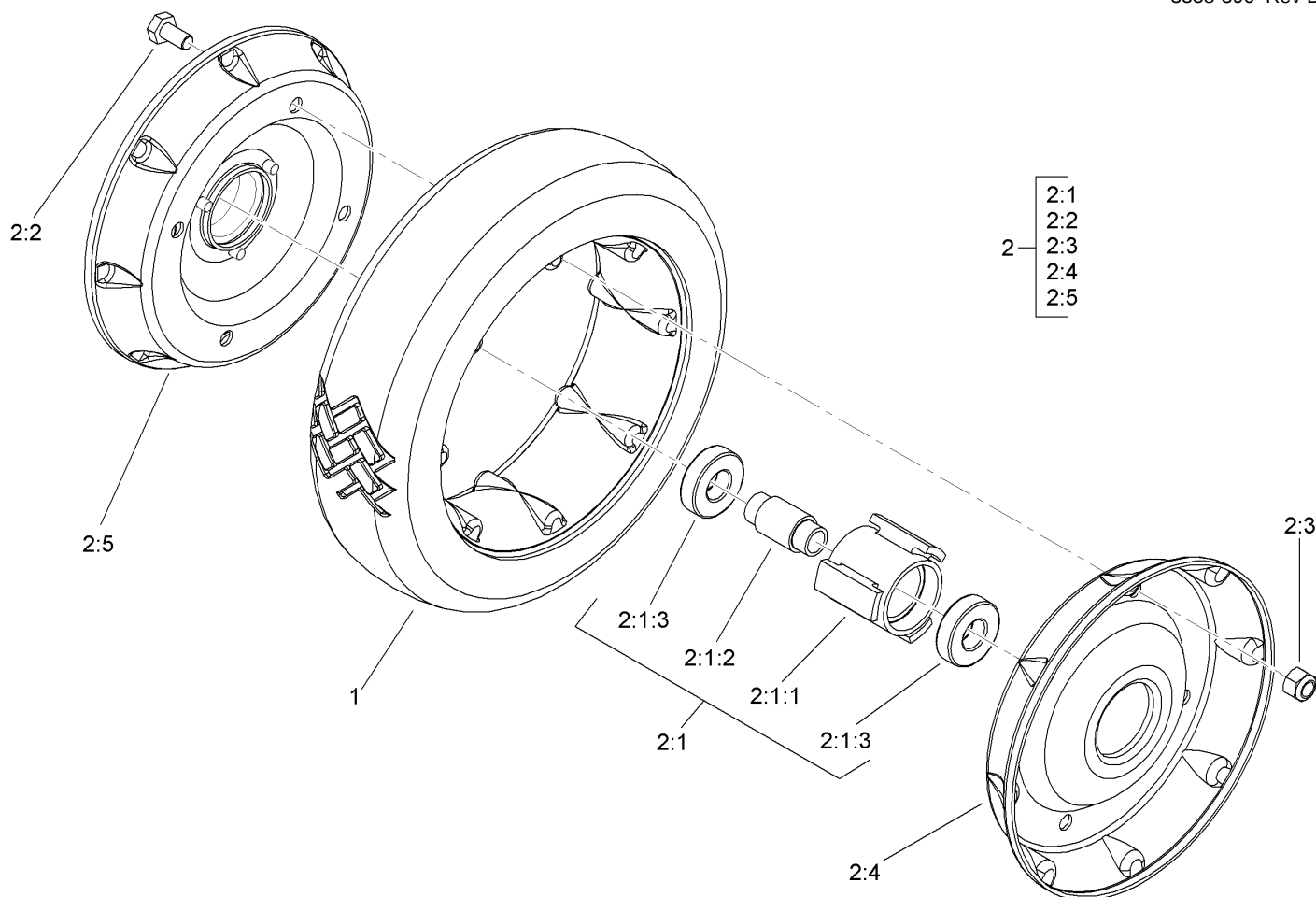
| Ref | Part No. | Qty. | Description             |
|-----|----------|------|-------------------------|
| 23  | 3296-58  | 1    | Nut-Lock, NI            |
| 24  | 84-8990  | 1    | Lever-BBC               |
| 25  | 84-9040  | 1    | Pin-Cable               |
| 26  | 84-9030  | 1    | Spacer-Bracket, Control |
| 31  | 32104-76 | 6    | Screw                   |



Rear Drive and Wheel Assembly

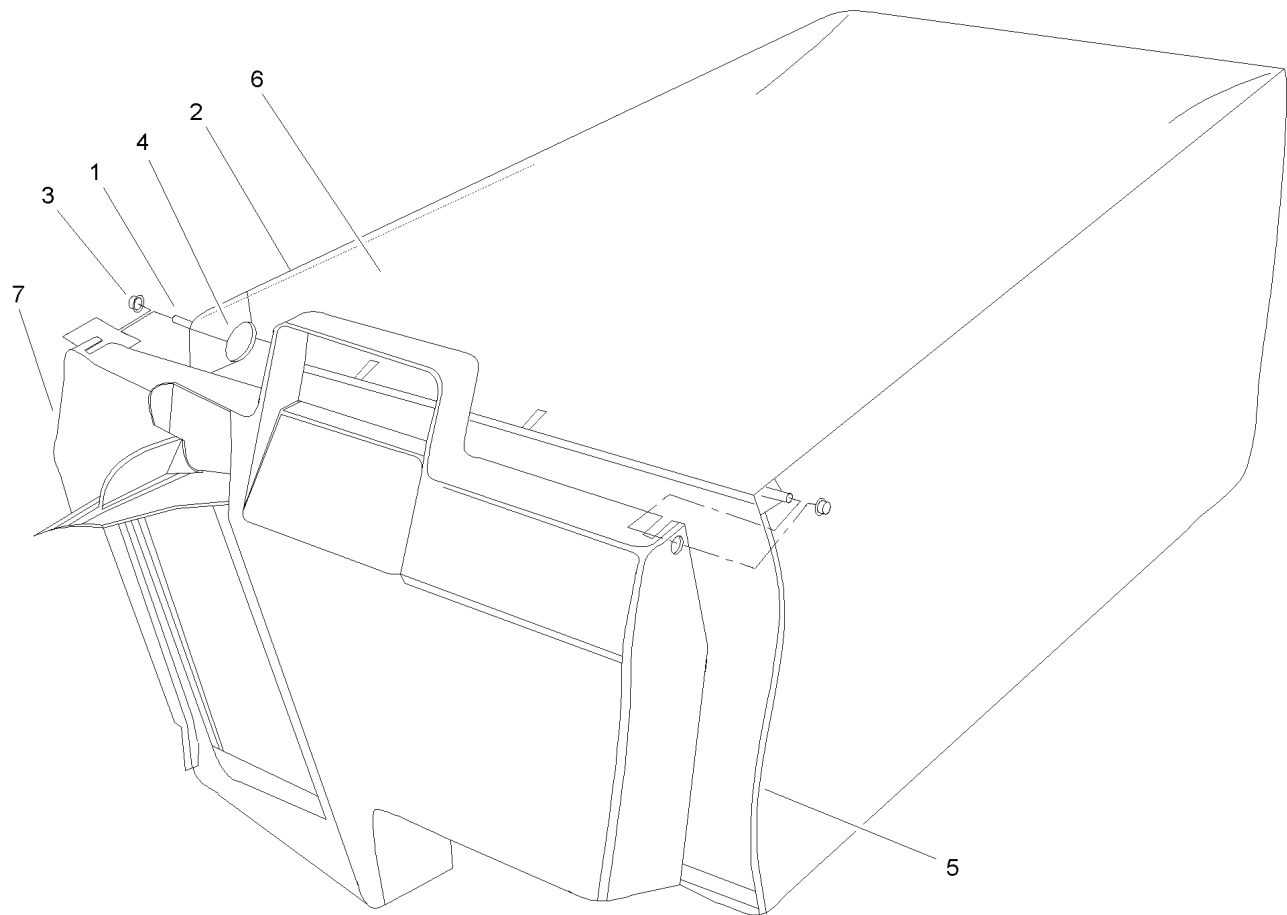
| Ref  | Part No. | Qty. | Description          |
|------|----------|------|----------------------|
| 1    | 36-8070  | 1    | V-Belt               |
| 2    | 32151-36 | 2    | Ring-Retaining       |
| 3    | 74-1810  | 2    | Washer               |
| 4    | 48-2170  | 2    | Cap-End              |
| 5    | 32152-2  | 2    | Nut-Lock, Cone       |
| 6    | 62-3830  | 2    | Washer-Thrust, Outer |
| 7    | 39-9160  | 2    | Gear-Pinion          |
| 8    | 74-1640  | 2    | Cover-Wheel          |
| 9    | 100-2860 | 2    | Wheel And Tire ASM   |
| 10   | 323-13   | 2    | Screw-HH             |
| 11   | 74-1650  | 2    | Spacer-Cover, Wheel  |
| 12   | 39-9650  | 2    | Spring-Compression   |
| 13   | 612066   | 2    | Key                  |
| 14   | 32151-68 | 4    | Ring-Retaining       |
| 15   | 49-7700  | 2    | Washer-Thrust, Outer |
| 16   | 74-1851  | 2    | Pivot Arm ASM        |
| 16:1 | 47-6730  | 1    | Seal-Oil             |
| 16:2 | 48-2060  | 1    | Bearing-Roller       |
| 16:3 | 52-2450  | 1    | Bearing-Wheel        |
| 16:5 | 92-6316  | 1    | Zerk                 |
| 17   | 110-0538 | 2    | Rear Spring Arm ASM  |
| 18   | 110-0549 | 2    | Knob-HOC             |
| 19   | 74-1960  | 1    | Lever-Shift          |
| 20   | 32121-99 | 1    | Pin-Coil             |

| Ref | Part No. | Qty. | Description   |
|-----|----------|------|---------------|
| ●99 | 106-0975 | 1    | Grass Bag ASM |



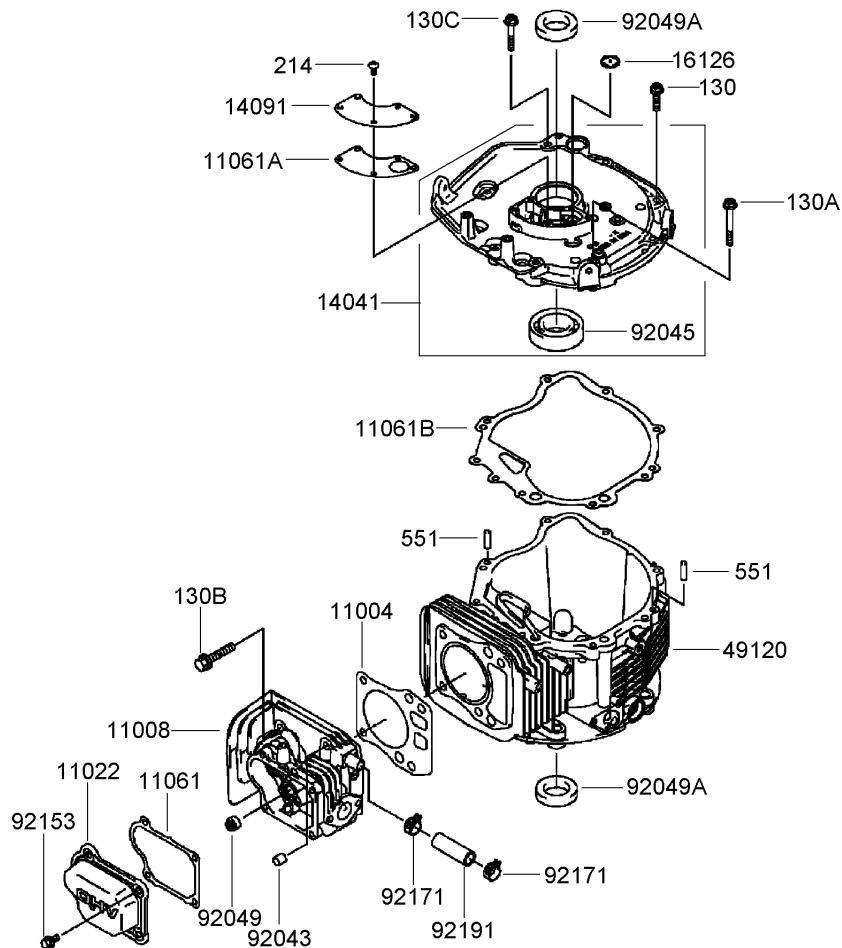
## Rear Wheel Assembly No. 100-2860

| Ref   | Part No.   | Qty. | Description             |  |  |  |  |
|-------|------------|------|-------------------------|--|--|--|--|
| 1     | 53-7740    | 1    | Tire                    |  |  |  |  |
| 2     |            | 1    | Wheel ASM               |  |  |  |  |
| 2:1   |            | 1    | Hub And Bearing ASM     |  |  |  |  |
| 2:1:1 | 52-2410    | 1    | Hub-Bearing             |  |  |  |  |
| 2:1:2 | 52-2440    | 1    | Spacer-Bearing          |  |  |  |  |
| 2:1:3 | 52-2450    | 2    | Bearing-Wheel           |  |  |  |  |
| 2:2   | 321-2      | 4    | Screw-HH                |  |  |  |  |
| 2:3   | 3296-42    | 4    | Nut-Lock, NI            |  |  |  |  |
| 2:4   | 53-7780-06 | 1    | Plate-Wheel, Half       |  |  |  |  |
| 2:5   | 92-4957-06 | 1    | Wheel Half And Gear ASM |  |  |  |  |



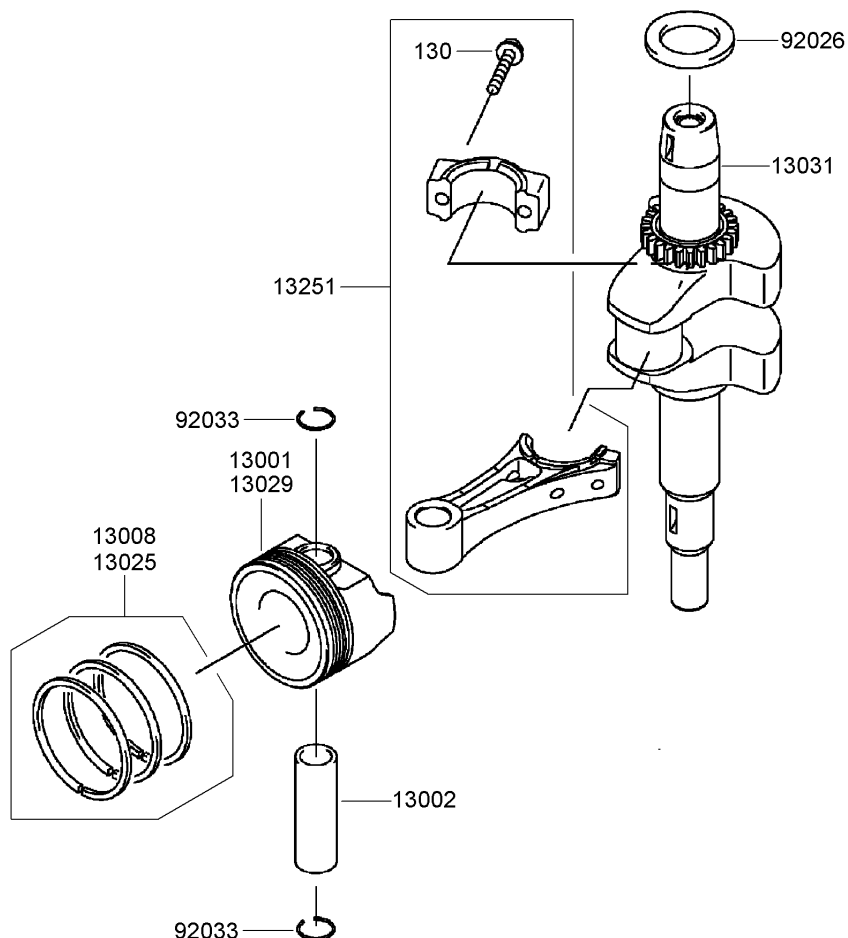
# Grass Bag Assembly No. 106-0975

| Ref | Part No. | Qty. | Description      |  |  |  |  |
|-----|----------|------|------------------|--|--|--|--|
| 1   | 33-4820  | 1    | Hinge-Door, Bag  |  |  |  |  |
| 2   | 42-4030  | 1    | Frame-Bag, Upper |  |  |  |  |
| 3   | 3290-422 | 2    | Nut-Push         |  |  |  |  |
| 4   | 36-6910  | 2    | Spring           |  |  |  |  |
| 5   | 42-4020  | 1    | Frame-Bag        |  |  |  |  |
| 6   | 106-0926 | 1    | Bag-Grass        |  |  |  |  |
| 7   | 48-2840  | 1    | Door-Bag, Grass  |  |  |  |  |



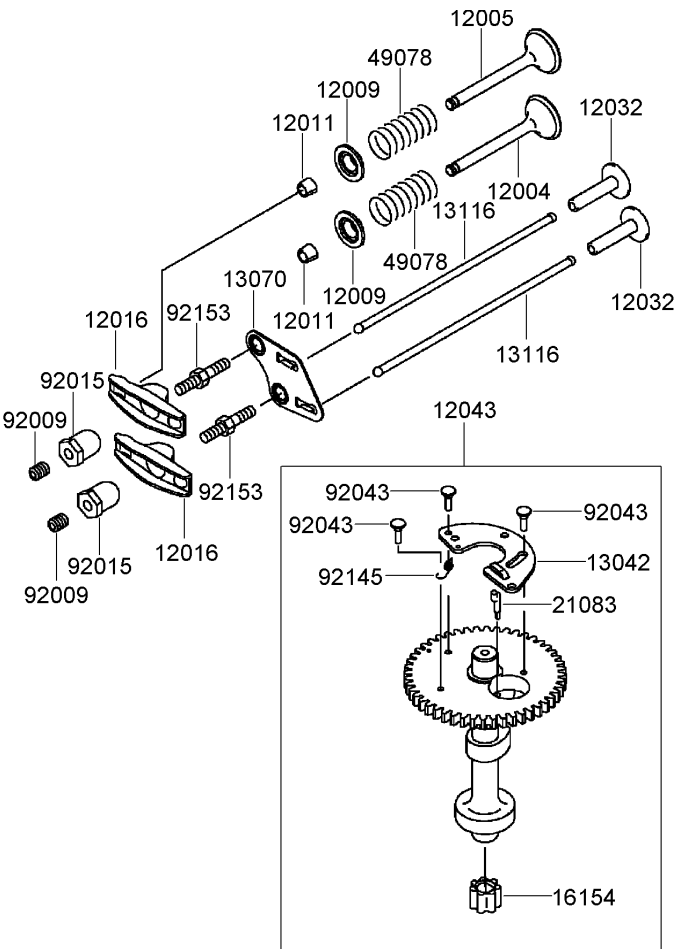
**Cylinder and Crankcase Assembly**  
**Kawasaki FJ180V-AS36**

| Ref     | Part No.   | Qty. | Description                  |  |  |  |  |
|---------|------------|------|------------------------------|--|--|--|--|
| ❶11004  | 11004-7020 | 1    | Gasket-Head                  |  |  |  |  |
| ❶11008  | 11008-7025 | 1    | Head-Cylinder                |  |  |  |  |
| ❶11022  | 11022-7005 | 1    | Case-Rocker                  |  |  |  |  |
| ❶11061  | 11061-7023 | 1    | Gasket-Case, Rocker          |  |  |  |  |
| ❶11061A | 11061-7031 | 1    | Gasket-Breather              |  |  |  |  |
| ❶11061B | 11061-7060 | 1    | Gasket-Cover, Crankcase      |  |  |  |  |
| ❶14041  | 14041-7010 | 1    | Cover                        |  |  |  |  |
| ❶14091  | 14091-7010 | 1    | Cover-Breather               |  |  |  |  |
| ❶16126  | 16126-7014 | 1    | Valve-Breather               |  |  |  |  |
| ❶49120  | 49120-7082 | 1    | Crankcase                    |  |  |  |  |
| ❶92043  | 92043-7001 | 2    | Pin                          |  |  |  |  |
| ❶92045  | 92045-1207 | 1    | Bearing-Ball (62/28)         |  |  |  |  |
| ❶92049  | 92049-7001 | 1    | Seal-Oil, R V C2 (6X11X10.2) |  |  |  |  |
| ❶92049A | 92049-7008 | 2    | Seal-Oil                     |  |  |  |  |
| ❶92153  | 92153-7043 | 4    | Bolt (6X12)                  |  |  |  |  |
| ❶92171  | 92171-7024 | 2    | Clamp                        |  |  |  |  |
| ❶92191  | 92191-7025 | 1    | Tube (12X16X49)              |  |  |  |  |
| ❶130    | 130BA0625  | 7    | Bolt-Flanged (6X25)          |  |  |  |  |
| ❶130A   | 130BA0650  | 1    | Bolt-Flanged (6X50)          |  |  |  |  |
| ❶130B   | 130CA0840  | 4    | Bolt-Flanged (8X40)          |  |  |  |  |
| ❶130C   | 130G0635   | 1    | Bolt-Flanged (6X35)          |  |  |  |  |
| ❶214    | 214AA0510  | 5    | Screw-Pan+- (5X10)           |  |  |  |  |
| ❶551    | 551A0612   | 2    | Pin-Dowel (6X12)             |  |  |  |  |



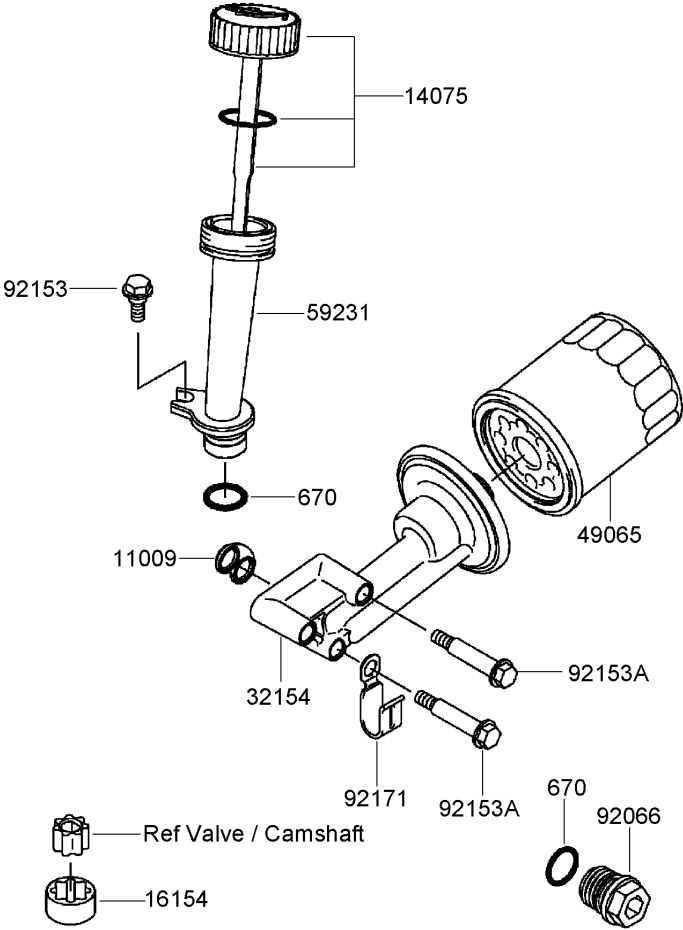
## Piston and Crankshaft Assembly Kawasaki FJ180V-AS36

| Ref    | Part No.   | Qty. | Description              |  |  |  |  |
|--------|------------|------|--------------------------|--|--|--|--|
| ③13001 | 13001-7023 | 1    | Piston-Engine            |  |  |  |  |
| ③13002 | 13002-7001 | 1    | Pin-Piston               |  |  |  |  |
| ③13008 | 13008-7002 | 1    | Piston Ring Set          |  |  |  |  |
| ③13025 | 13025-7006 | 1    | Piston Ring Set (L 0.50) |  |  |  |  |
| ③13029 | 13029-7005 | 1    | Piston-Engine (L 0.50)   |  |  |  |  |
| ③13031 | 13031-7057 | 1    | Crankshaft               |  |  |  |  |
| ③13251 | 13251-7011 | 1    | Connecting Rod ASM       |  |  |  |  |
| ③92026 | 92026-7020 | 1    | Spacer                   |  |  |  |  |
| ③92033 | 92033-7002 | 2    | Ring-Snap                |  |  |  |  |
| ③130   | 130BA0630  | 2    | Bolt-Flanged (6X30)      |  |  |  |  |



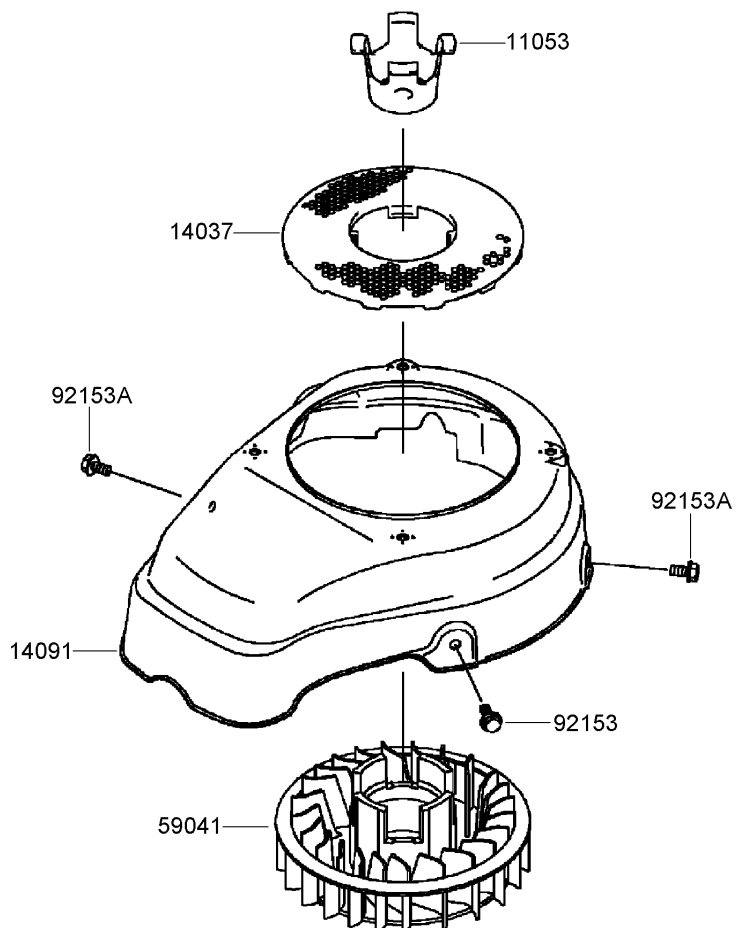
**Valve and Camshaft Assembly**  
**Kawasaki FJ180V-AS36**

| Ref    | Part No.   | Qty. | Description            |  |  |  |  |
|--------|------------|------|------------------------|--|--|--|--|
| ❶12004 | 12004-7005 | 1    | Valve-Intake           |  |  |  |  |
| ❶12005 | 12005-7006 | 1    | Valve-Exhaust          |  |  |  |  |
| ❶12009 | 12009-7001 | 2    | Retainer-Spring, Valve |  |  |  |  |
| ❶12011 | 12011-2056 | 4    | Collet                 |  |  |  |  |
| ❶12016 | 12016-7008 | 2    | Arm-Rocker             |  |  |  |  |
| ❶12032 | 12032-7001 | 2    | Tappet                 |  |  |  |  |
| ❶12043 | 12043-7005 | 1    | Camshaft Valve ASM     |  |  |  |  |
| ❶13042 | 13042-7006 | 1    | Weight                 |  |  |  |  |
| ❶13070 | 13070-7009 | 1    | Guide                  |  |  |  |  |
| ❶13116 | 13116-7003 | 2    | Rod-Push               |  |  |  |  |
| ❶16154 | 16154-7004 | 1    | Rotor-Pump             |  |  |  |  |
| ❶21083 | 21083-7009 | 1    | Arm                    |  |  |  |  |
| ❶49078 | 49078-7001 | 2    | Spring-Valve, Engine   |  |  |  |  |
| ❶92009 | 92009-2341 | 2    | Screw                  |  |  |  |  |
| ❶92015 | 92015-2253 | 2    | Nut                    |  |  |  |  |
| ❶92043 | 92043-7006 | 3    | Pin                    |  |  |  |  |
| ❶92145 | 92145-7016 | 1    | Spring                 |  |  |  |  |
| ❶92153 | 92153-7019 | 2    | Bolt                   |  |  |  |  |



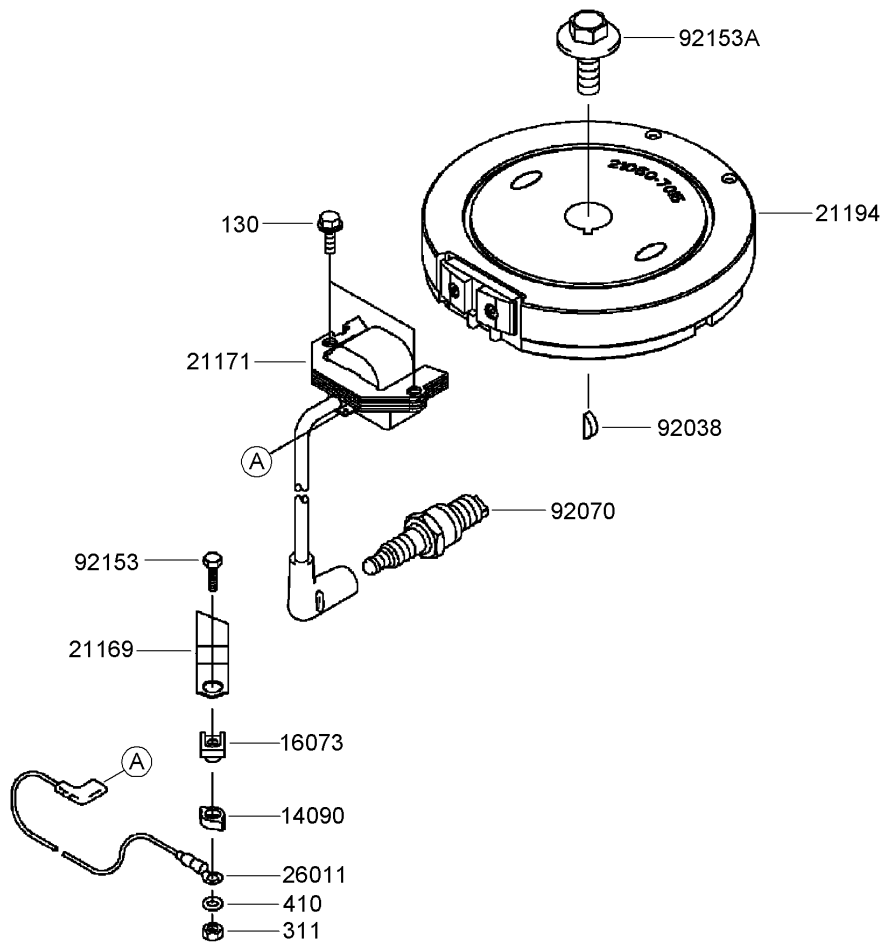
**Lubrication Equipment Assembly**  
**Kawasaki FJ180V-AS36**

| Ref     | Part No.   | Qty. | Description   |  |  |  |  |
|---------|------------|------|---------------|--|--|--|--|
| ③11009  | 11009-2860 | 1    | Gasket        |  |  |  |  |
| ③14075  | 14075-7007 | 1    | Cap ASM       |  |  |  |  |
| ③16154  | 16154-7002 | 1    | Rotor-Pump    |  |  |  |  |
| ③32154  | 32154-7018 | 1    | Pipe          |  |  |  |  |
| ③49065  | 49065-2078 | 1    | Filter-Oil    |  |  |  |  |
| ③59231  | 59231-7004 | 1    | Filler        |  |  |  |  |
| ③92066  | 92066-7003 | 1    | Plug          |  |  |  |  |
| ③92153  | 92153-7007 | 1    | Bolt          |  |  |  |  |
| ③92153A | 92153-7028 | 3    | Bolt          |  |  |  |  |
| ③92171  | 92171-7008 | 1    | Clamp         |  |  |  |  |
| ③670    | 670D2016   | 2    | O-Ring (16Mm) |  |  |  |  |



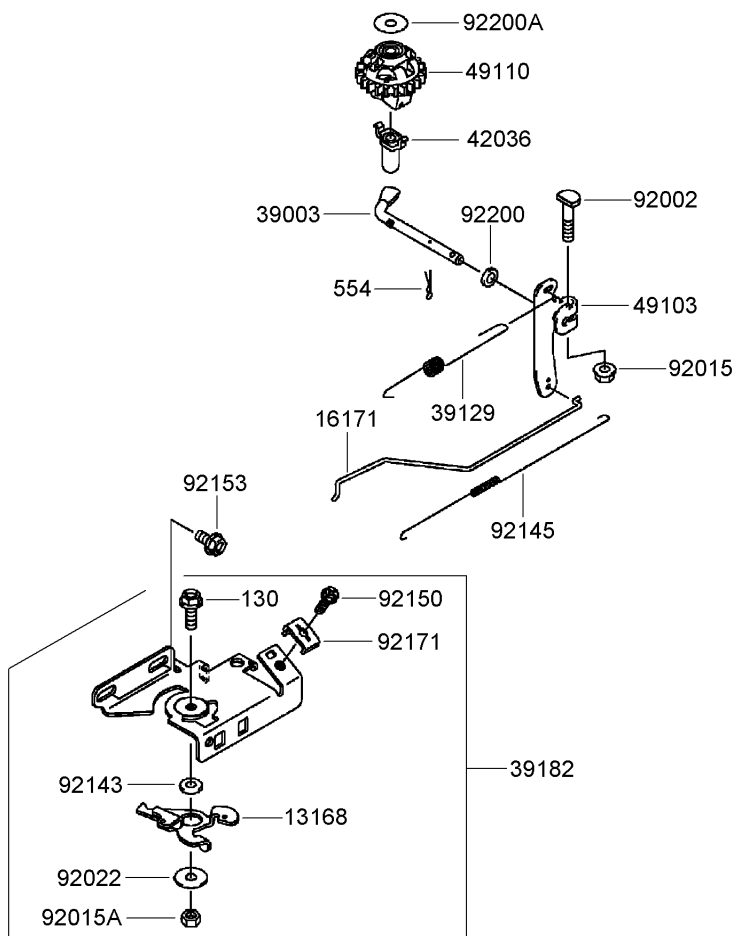
# Cooling Equipment Assembly Kawasaki FJ180V-AS36

| Ref     | Part No.   | Qty. | Description |
|---------|------------|------|-------------|
| ③11053  | 11053-7009 | 1    | Bracket-Fan |
| ③14037  | 14037-7017 | 1    | Screen      |
| ③14091  | 14091-7053 | 1    | Cover       |
| ③59041  | 59041-7009 | 1    | Fan         |
| ③92153  | 92153-7007 | 1    | Bolt        |
| ③92153A | 92153-7043 | 2    | Bolt (6X12) |



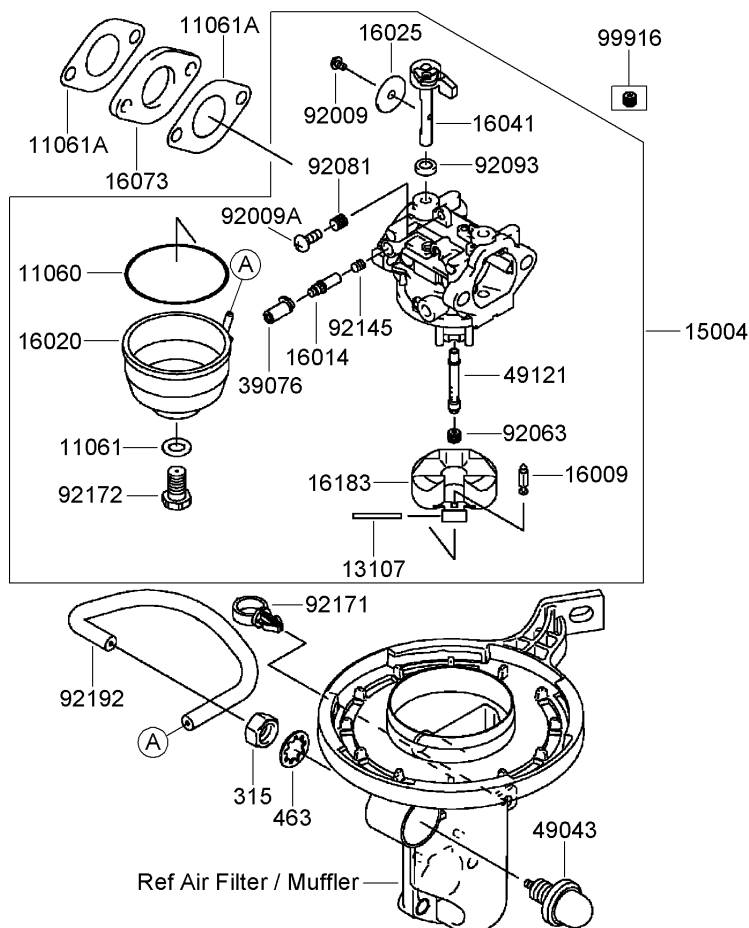
# Electric Equipment Assembly Kawasaki FJ180V-AS36

| Ref     | Part No.   | Qty. | Description                             |  |  |  |  |
|---------|------------|------|-----------------------------------------|--|--|--|--|
| ③14090  | 14090-2108 | 1    | Cover                                   |  |  |  |  |
| ③16073  | 16073-2192 | 1    | Insulator                               |  |  |  |  |
| ③21169  | 21169-2071 | 1    | Terminal                                |  |  |  |  |
| ③21171  | 21171-7030 | 1    | Ignition Coil ASM                       |  |  |  |  |
| ③21194  | 21194-7024 | 1    | Flywheel                                |  |  |  |  |
| ③26011  | 26011-7013 | 1    | Wire-Lead                               |  |  |  |  |
| ③92038  | 92038-2077 | 1    | Key                                     |  |  |  |  |
| ③92070  | 92070-2088 | 1    | Spark Plug, B P R 5E S (N G K)<br>Solid |  |  |  |  |
| ③92153  | 92153-7012 | 1    | Bolt (4X16)                             |  |  |  |  |
| ③92153A | 92153-7030 | 1    | Bolt (12X30)                            |  |  |  |  |
| ③130    | 130AA0620  | 2    | Bolt-Flanged (6X20)                     |  |  |  |  |
| ③311    | 311B0400   | 1    | Nut-Hex (4Mm)                           |  |  |  |  |
| ③410    | 410B0400   | 1    | Washer-Plain, S (4Mm)                   |  |  |  |  |



## Control Equipment Assembly Kawasaki FJ180V-AS36

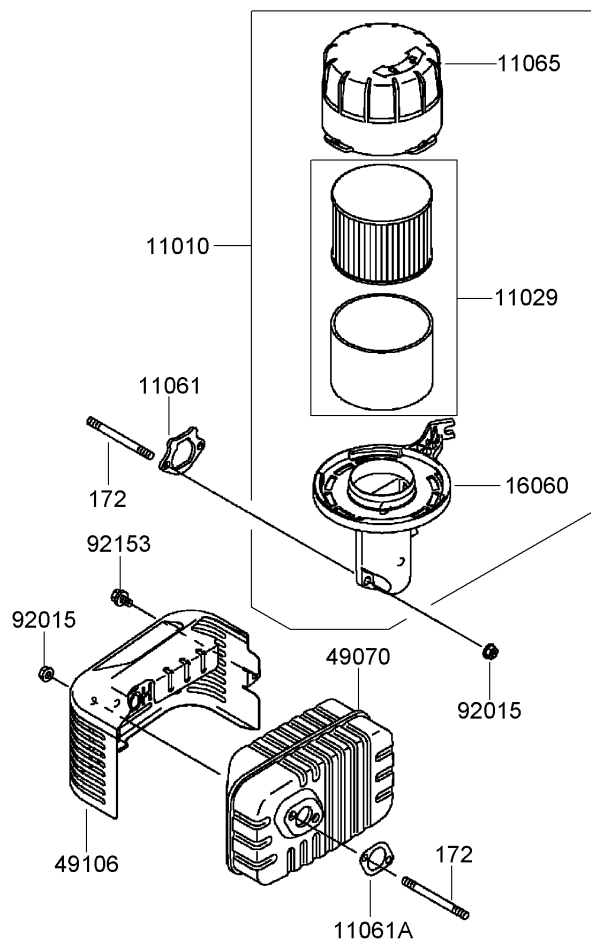
| Ref     | Part No.   | Qty. | Description           |  |  |  |  |
|---------|------------|------|-----------------------|--|--|--|--|
| ③13168  | 13168-7032 | 1    | Lever                 |  |  |  |  |
| ③16171  | 16171-7015 | 1    | Link-Throttle         |  |  |  |  |
| ③39003  | 39003-7002 | 1    | Arm-Pivot             |  |  |  |  |
| ③39129  | 39129-7014 | 1    | Spring-Governor       |  |  |  |  |
| ③39182  | 39182-7010 | 1    | Control Panel ASM     |  |  |  |  |
| ③42036  | 42036-2051 | 1    | Sleeve                |  |  |  |  |
| ③49103  | 49103-7005 | 1    | Arm-Governor          |  |  |  |  |
| ③49110  | 49110-7002 | 1    | Governor ASM          |  |  |  |  |
| ③92002  | 92002-2269 | 1    | Bolt (6X28)           |  |  |  |  |
| ③92015  | 92015-1193 | 1    | Nut                   |  |  |  |  |
| ③92015A | 92015-2051 | 1    | Nut                   |  |  |  |  |
| ③92022  | 92022-2372 | 1    | Washer (6X19X1.2)     |  |  |  |  |
| ③92143  | 92143-2135 | 1    | Collar (6X13X2.3)     |  |  |  |  |
| ③92145  | 92145-7025 | 1    | Spring-Throttle       |  |  |  |  |
| ③92150  | 92150-2182 | 1    | Bolt (5X18)           |  |  |  |  |
| ③92153  | 92153-7043 | 2    | Bolt (6X12)           |  |  |  |  |
| ③92171  | 92171-7016 | 1    | Clamp                 |  |  |  |  |
| ③92200  | 92200-2029 | 1    | Washer (6.5X11.5X2.0) |  |  |  |  |
| ③92200A | 92200-2036 | 1    | Washer (6.2X20X0.5)   |  |  |  |  |
| ③130    | 130AA0618  | 1    | Bolt-Flanged (6X18)   |  |  |  |  |
| ③554    | 554A0600   | 1    | Pin-Snap (1.2X21.2)   |  |  |  |  |



## Carburetor Assembly Kawasaki FJ180V-AS36

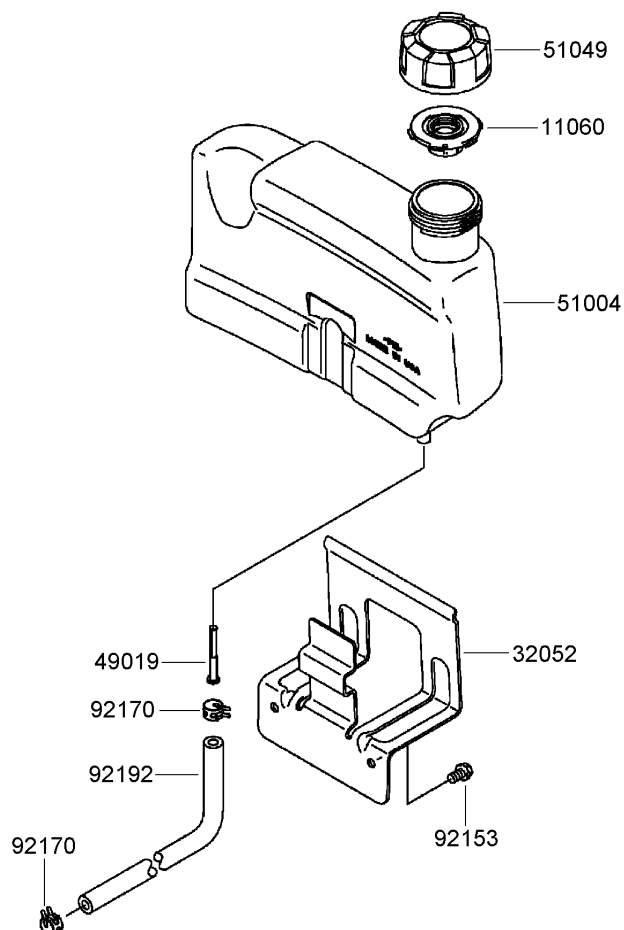
| Ref     | Part No.   | Qty. | Description        |
|---------|------------|------|--------------------|
| ③11060  | 11060-2190 | 1    | Gasket             |
| ③11061  | 11061-7010 | 1    | Gasket-Screw       |
| ③11061A | 11061-7015 | 2    | Gasket-Insulator   |
| ③13107  | 13107-7024 | 1    | Shaft              |
| ③15004  | 15004-7011 | 1    | Carburetor ASM     |
| ③16009  | 16009-2136 | 1    | Needle-Jet         |
| ③16014  | 16014-7008 | 1    | Screw-Air, Pilot   |
| ③16020  | 16020-7005 | 1    | Chamber-Float      |
| ③16025  | 16025-7007 | 1    | Valve-Throttle     |
| ③16041  | 16041-7019 | 1    | Shaft-Carburetor   |
| ③16073  | 16073-7006 | 1    | Insulator          |
| ③16183  | 16183-2002 | 1    | Float ASM          |
| ③39076  | 39076-7001 | 1    | Limiter            |
| ③49043  | 49043-7002 | 1    | Pump-Priming       |
| ③49121  | 49121-7014 | 1    | Nozzle-Main        |
| ③92009  | 92009-2083 | 1    | Screw              |
| ③92009A | 92009-2349 | 1    | Screw              |
| ③92063  | 92063-7061 | 1    | Jet-Main, No. 78   |
| ③92081  | 92081-2234 | 1    | Spring             |
| ③92093  | 92093-2100 | 1    | Seal               |
| ③92145  | 92145-7015 | 1    | Spring             |
| ③92171  | 92171-7014 | 1    | Clamp              |
| ③92172  | 92172-7003 | 1    | Screw              |
| ③92192  | 92192-7092 | 1    | Tube (2.2X7.3X190) |

| Ref    | Part No.   | Qty. | Description              |
|--------|------------|------|--------------------------|
| ③99916 | 99916-7007 | 1    | Main Jet K H I Parts Kit |
| ③315   | 315B1000   | 1    | Nut-Hex, Fine (10Mm)     |
| ③463   | 463H1000   | 1    | Washer-Toothed (10Mm)    |



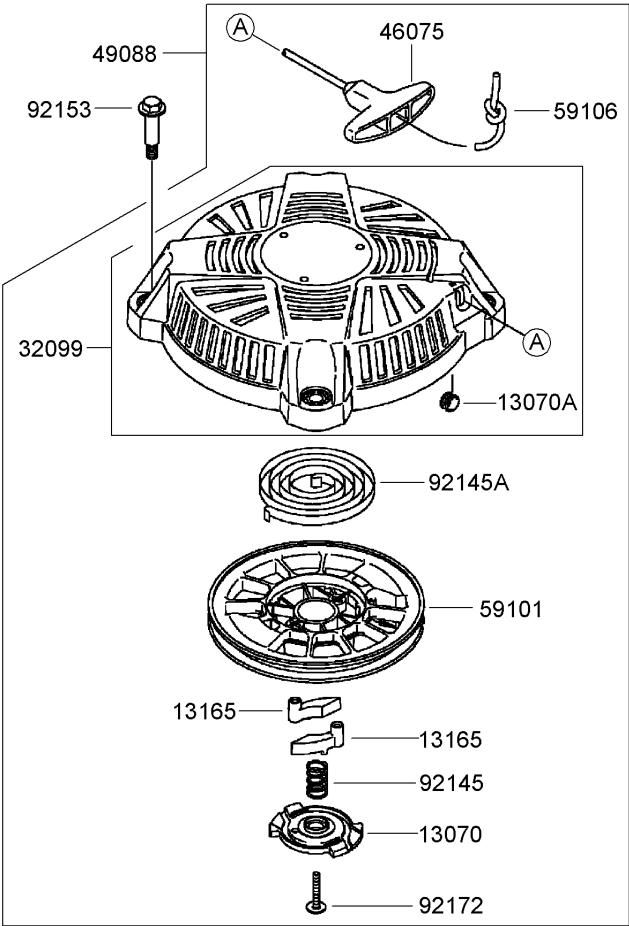
# Air Filter and Muffler Assembly Kawasaki FJ180V-AS36

| Ref     | Part No.   | Qty. | Description            |  |  |  |  |
|---------|------------|------|------------------------|--|--|--|--|
| ③11010  | 11010-7024 | 1    | Air Filter ASM         |  |  |  |  |
| ③11029  | 11029-7023 | 1    | Air Filter Element ASM |  |  |  |  |
| ③11061  | 11061-7012 | 1    | Gasket-Pipe, Intake    |  |  |  |  |
| ③11061A | 11061-7029 | 1    | Gasket-Muffler         |  |  |  |  |
| ③11065  | 11065-7019 | 1    | Cap                    |  |  |  |  |
| ③16060  | 16060-7031 | 1    | Pipe-Intake            |  |  |  |  |
| ③49070  | 49070-7026 | 1    | Muffler                |  |  |  |  |
| ③49106  | 49106-7021 | 1    | Cover-Muffler          |  |  |  |  |
| ③92015  | 92015-1193 | 4    | Nut                    |  |  |  |  |
| ③92153  | 92153-7023 | 1    | Bolt (6X10 )           |  |  |  |  |
| ③172    | 172BA0680  | 4    | Bolt-Stud (6X80)       |  |  |  |  |



## Fuel Tank and Fuel Valve Assembly Kawasaki FJ180V-AS36

| Ref    | Part No.   | Qty. | Description       |  |  |  |  |
|--------|------------|------|-------------------|--|--|--|--|
| ③11060 | 11060-2145 | 1    | Gasket            |  |  |  |  |
| ③32052 | 32052-7001 | 1    | Bracket-Tank      |  |  |  |  |
| ③49019 | 49019-7003 | 1    | Filter-Fuel       |  |  |  |  |
| ③51004 | 51004-7004 | 1    | Tank-Fuel         |  |  |  |  |
| ③51049 | 51049-7004 | 1    | Cap-Tank          |  |  |  |  |
| ③92153 | 92153-7023 | 2    | Bolt (6X10 )      |  |  |  |  |
| ③92170 | 92170-2009 | 2    | Clamp             |  |  |  |  |
| ③92192 | 92192-7084 | 1    | Tube (6X12.7X375) |  |  |  |  |



**Starter Assembly**  
**Kawasaki FJ180V-AS36**

| Ref    | Part No.   | Qty. | Description          |  |  |  |  |
|--------|------------|------|----------------------|--|--|--|--|
| 13070  | 13070-7014 | 1    | Guide                |  |  |  |  |
| 13070A | 13070-7015 | 1    | Guide                |  |  |  |  |
| 13165  | 13165-7002 | 2    | Pawl-Starter, Recoil |  |  |  |  |
| 32099  | 32099-7004 | 1    | Case-Starter, Recoil |  |  |  |  |
| 46075  | 46075-7002 | 1    | Grip                 |  |  |  |  |
| 49088  | 49088-7026 | 1    | Starter-Recoil       |  |  |  |  |
| 59101  | 59101-7002 | 1    | Reel-Starter, Recoil |  |  |  |  |
| 59106  | 59106-7006 | 1    | Rope (1500Mm)        |  |  |  |  |
| 92145  | 92145-7052 | 1    | Spring               |  |  |  |  |
| 92145A | 92145-7053 | 1    | Spring               |  |  |  |  |
| 92153  | 92153-7021 | 4    | Bolt (M6)            |  |  |  |  |
| 92172  | 92172-7030 | 1    | Screw                |  |  |  |  |



## NOTES

## NOTES

## NOTES

