



## Mid-Size Mower

### ProLine Gear 12.5hp with 32in Side Discharge Mower

Model No. 30520—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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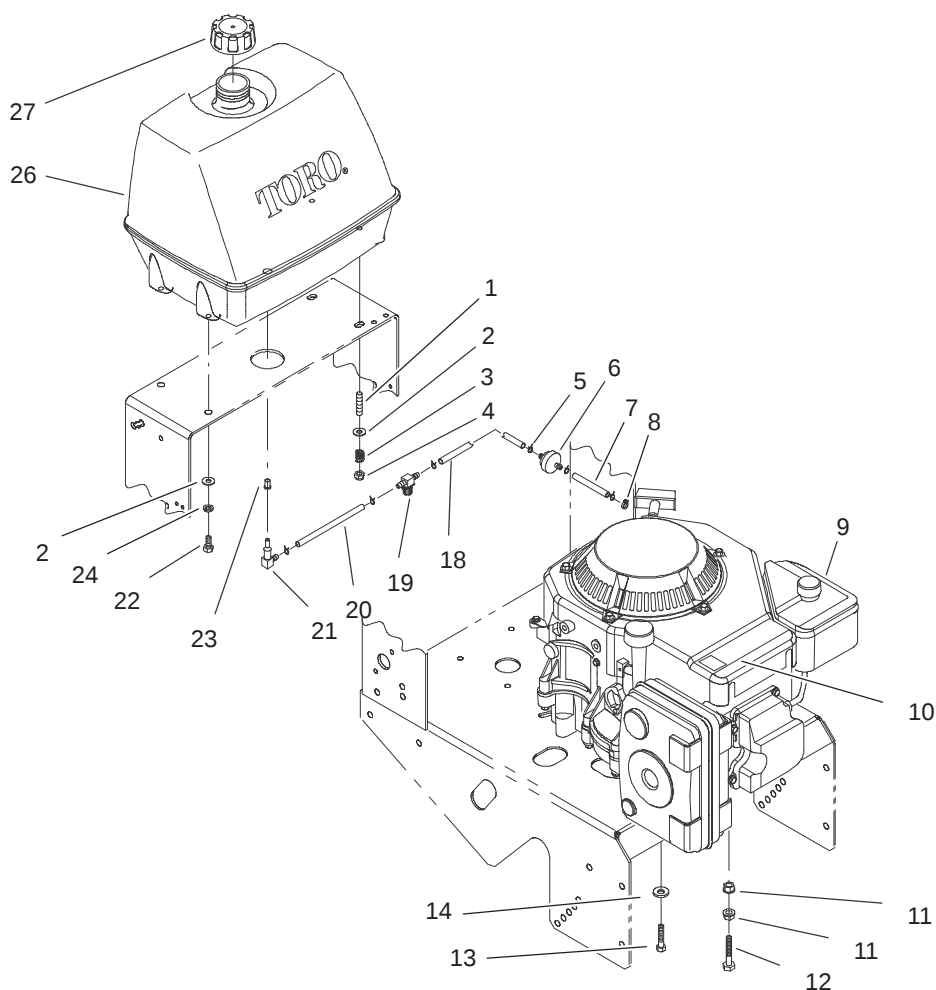
## Accessories

| Description        | Model / Part No. | Description         | Model / Part No. |
|--------------------|------------------|---------------------|------------------|
| Recycler Kit ..... | 30142            | Soft Bagger .....   | 30198            |
| Atomic Blade ..... | 104–8595         | Lowsail Blade ..... | 103–2507         |

## 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<br>thread forming | WH .....     | wing head               |



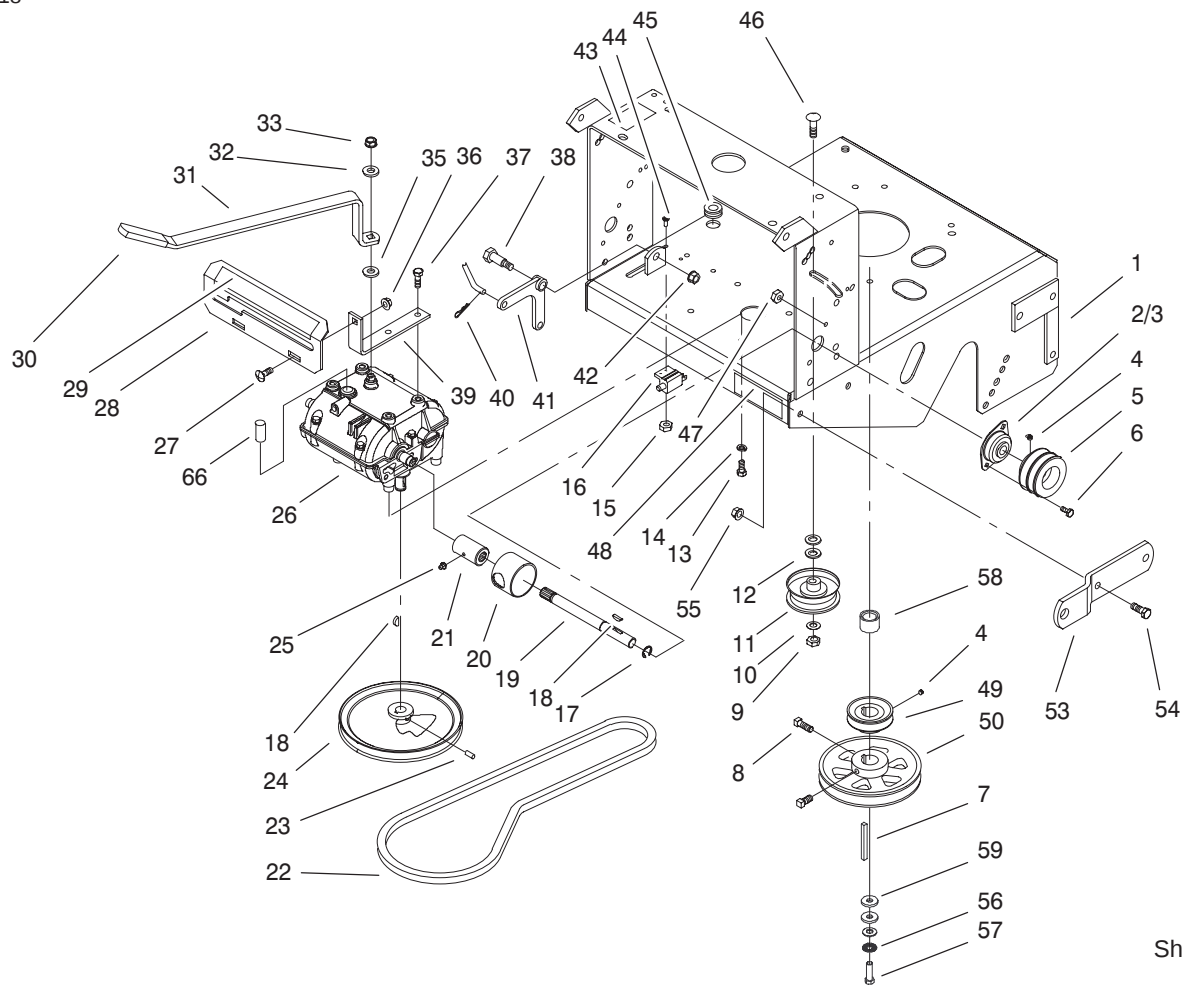
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## Engine and Fuel System Assembly

| Ref. No. | Part No.  | Qty. | Description                     | Ref. No. | Part No. | Qty. | Description |
|----------|-----------|------|---------------------------------|----------|----------|------|-------------|
| 1        | 1-633023  | 2    | Stud                            |          |          |      |             |
| 2        | 3256-23   | 4    | Washer-Flat                     |          |          |      |             |
| 3        | 1-633349  | 2    | Spring-Tank, Fuel               |          |          |      |             |
| 4        | 3296-47   | 2    | Nut-Lock, NI                    |          |          |      |             |
| 5        | 1-303077  | 5    | Clamp-Line, Fuel                |          |          |      |             |
| 6        | 1-303197  | 1    | Filter-Fuel                     |          |          |      |             |
| 7        | 1-603776  | 1    | Hose-Line, Fuel                 |          |          |      |             |
| 8        | 1-303308  | 1    | Clamp-Hose                      |          |          |      |             |
| ☆9       |           | 1    | Engine-Kawasaki,<br>Fb460v-Ms14 |          |          |      |             |
| 10       | 63-8440   | 1    | Decal-Surface, Hot              |          |          |      |             |
| 11       | 3290-357  | 2    | Nut-HHF                         |          |          |      |             |
| 12       | 323-13    | 1    | Screw-HH                        |          |          |      |             |
| 13       | 33114-025 | 4    | Screw-HH                        |          |          |      |             |
| 14       | 1-303334  | 4    | Washer-Spring                   |          |          |      |             |
| 18       | 1-303022  | 1    | Hose-Fuel                       |          |          |      |             |
| 19       | 1-603770  | 1    | Valve-Fuel                      |          |          |      |             |
| 20       | 1-603955  | 1    | Hose-Fuel                       |          |          |      |             |
| 21       | 1-543277  | 1    | Elbow-Tank, Fuel                |          |          |      |             |
| 22       | 322-3     | 2    | Screw-HH                        |          |          |      |             |
| 23       | 1-513645  | 1    | Bushing-Valve, Fuel             |          |          |      |             |
| 24       | 1-805005  | 2    | Washer-Lock                     |          |          |      |             |
| 26       | 1-323551  | 1    | Tank-Fuel                       |          |          |      |             |
| 27       | 1-513508  | 1    | Cap-Fuel                        |          |          |      |             |
| *99      | 1-303335  | 1    | Tie-Plastic                     |          |          |      |             |

☆ Not serviced separately

\* Not illustrated

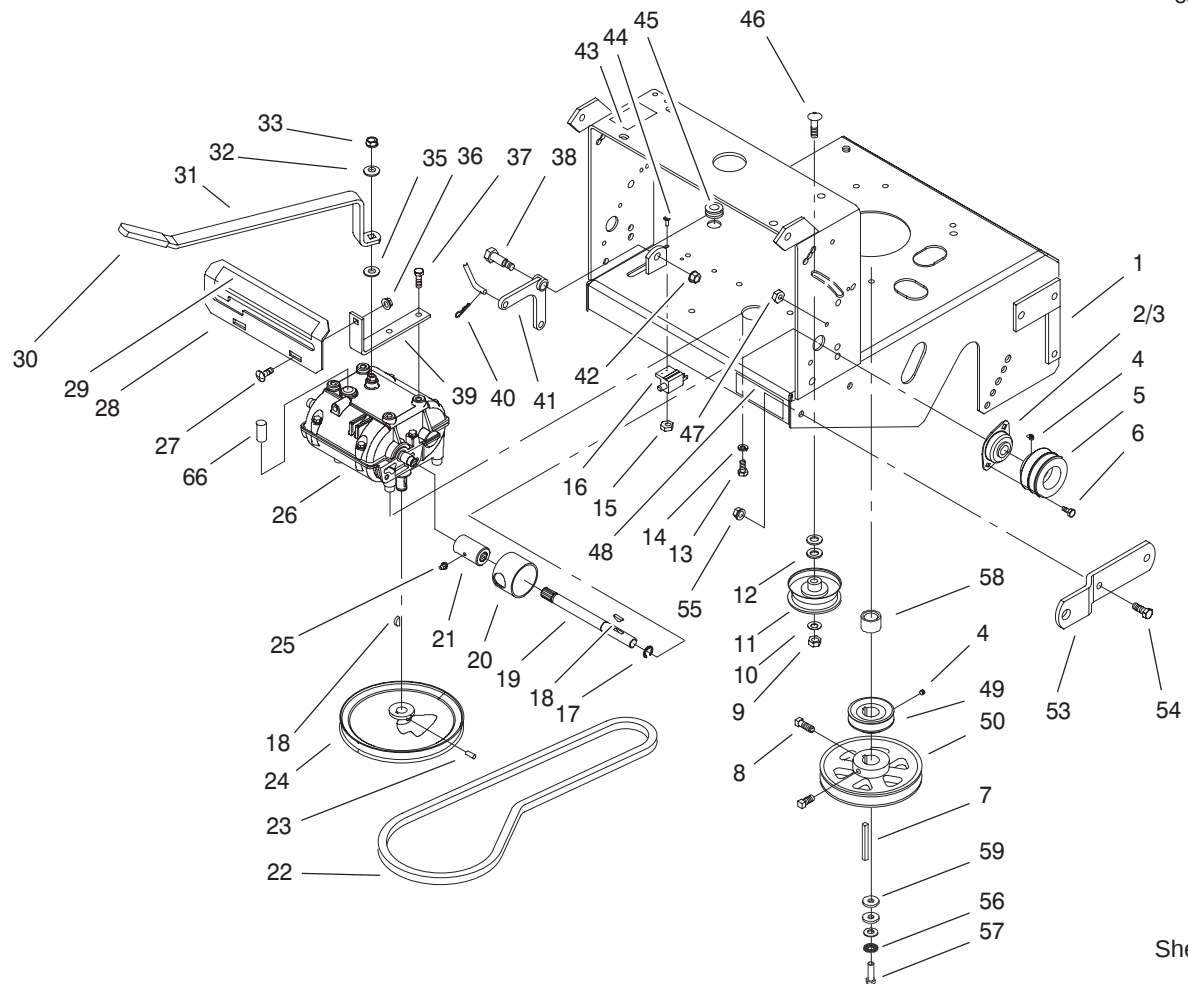


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## Transmission and Drive Pulley Assembly

| Ref. No. | Part No.    | Qty. | Description               |
|----------|-------------|------|---------------------------|
| 1        | 103-2923-01 | 1    | Deck-Rear                 |
| 2        | 1-323252    | 2    | Bearing-Shaft             |
| 3        | 1-323254    | 2    | Flange-Output             |
| 4        | 1-803310    | 3    | Screw-Set                 |
| 5        | 1-323363-03 | 2    | Sheave-Transmission       |
| 6        | 321-3       | 4    | Screw-HH                  |
| 7        | 5-1336      | 1    | Key                       |
| 8        | 3242-4      | 2    | Screw-Set, SQH            |
| 9        | 3296-39     | 1    | Nut-Lock, NI              |
| 10       | 3256-24     | 1    | Washer-Flat               |
| 11       | 1-323285    | 1    | Idler-Drive, Transmission |
| 12       | 3256-5      | 2    | Washer-Flat               |
| 13       | 322-3       | 4    | Screw-HH                  |
| 14       | 1-805005    | 4    | Washer-Lock               |
| 15       | 3296-2      | 2    | Nut-Lock                  |
| 16       | 1-513051    | 1    | Switch-Open, Normally     |
| 17       | 32151-62    | 2    | Ring-Retaining            |
| 18       | 3257-5      | 3    | Key-Woodruff              |
| 19       | 1-323502    | 2    | Shaft-Transmission        |
| 20       | 51-4220     | 2    | Guard-Coupler             |
| 21       | 1-323680    | 2    | Coupler                   |
| 22       | 1-323630    | 1    | V-Belt                    |
| 23       | 3245-41     | 2    | Screw-HSH                 |
| 24       | 1-323278    | 1    | Sheave-Transmission       |

| Ref. No. | Part No.    | Qty. | Description          |
|----------|-------------|------|----------------------|
| 25       | 302-19      | 2    | Fitting-Grease       |
| 26       | 1-323500    | 1    | Transmission         |
| 27       | 3230-1      | 2    | Screw-CARR           |
| 28       | 1-323387-03 | 1    | Plate-Shift          |
| 29       | 105-4104    | 1    | Decal-Speed, Ground  |
| 30       | 1-303020    | 1    | Grip-Lever           |
| 31       | 98-3274-03  | 1    | Lever-Shift          |
| 32       | 98-5975     | 1    | Washer-Belleville    |
| 33       | 3296-6      | 1    | Nut-Lock, NI         |
| 35       | 1-323379    | 1    | Washer               |
| 36       | 32128-20    | 2    | Nut-HF               |
| 37       | 9264964     | 4    | Screw                |
| 38       | 1-603403    | 1    | Bolt-Shoulder        |
| 39       | 1-323389-03 | 2    | Bracket-Plate, Shift |
| 40       | 1-806003    | 1    | Pin-Hair             |
| 41       | 1-303186    | 1    | Bellcrank            |
| 42       | 3290-357    | 1    | Nut-HHF              |
| 43       | 95-2814     | 1    | Decal-Shut Off, Fuel |
| 44       | 3290-500    | 2    | Screw-PPH            |
| 45       | 1-543296    | 1    | Grommet-Line, Fuel   |
| 46       | 3231-6      | 1    | Screw-CARR           |
| 47       | 3296-42     | 4    | Nut-Lock, NI         |
| 48       | 98-0776     | 1    | Decal-Caution        |
| 49       | 103-1666    | 1    | Sheave-Transmission  |
| 50       | 103-1667    | 1    | Sheave               |
| 53       | 1-323318-01 | 2    | Hitch-Sulky          |

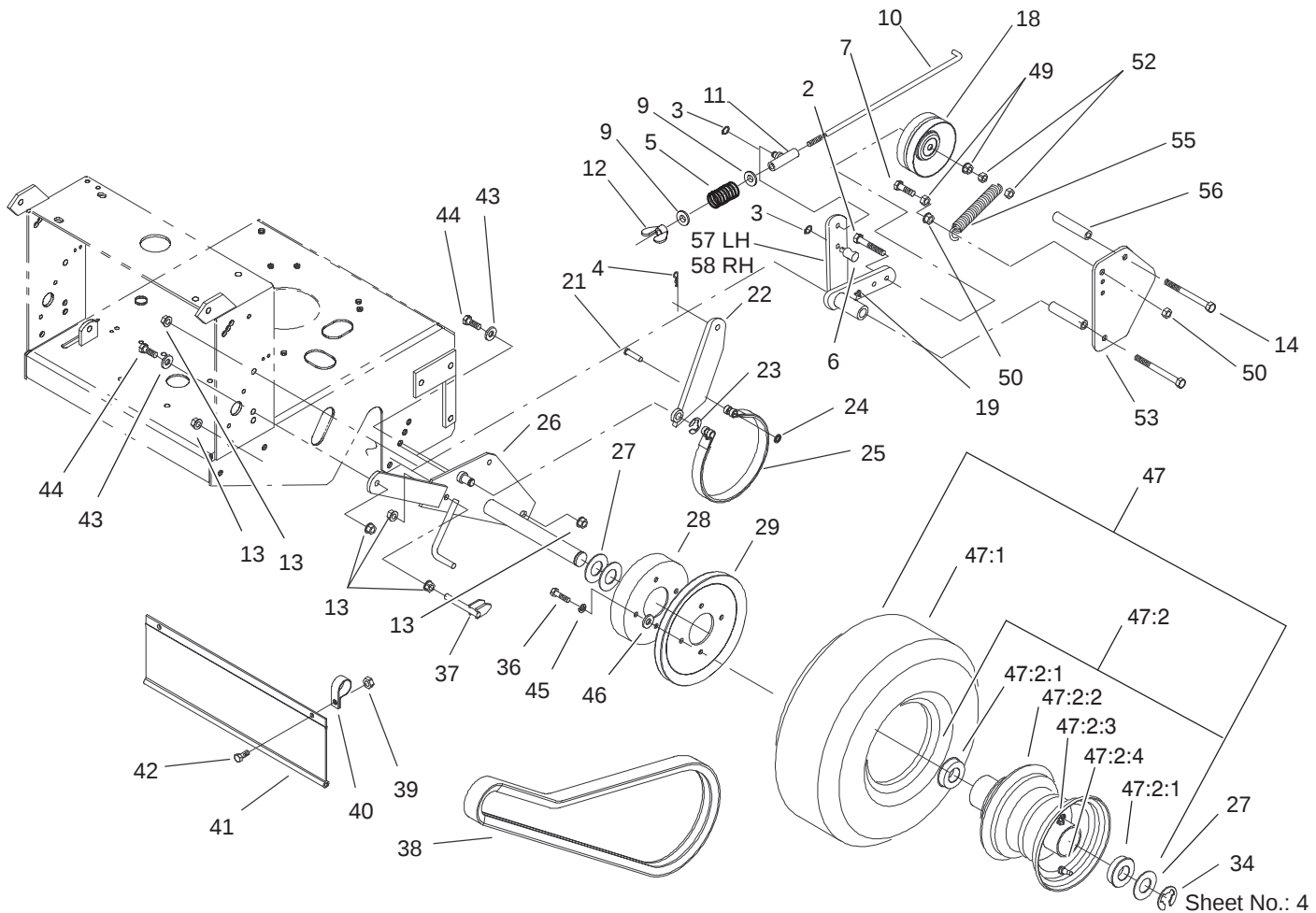


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## Transmission and Drive Pulley Assembly (Continued)

| Ref. No. | Part No.  | Qty. | Description           |
|----------|-----------|------|-----------------------|
| 54       | 323-6     | 4    | Screw-HH              |
| 55       | 3290-357  | 4    | Nut-HHF               |
| 56       | 98-5975   | 1    | Washer-Belleville     |
| 57       | 33115-035 | 1    | Screw-HH              |
| 58       | 1-633453  | 1    | Spacer-Clutch         |
| 59       | 1-373034  | 2    | Washer                |
| 66       | 1-303282  | 1    | Switch-Start, Neutral |

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

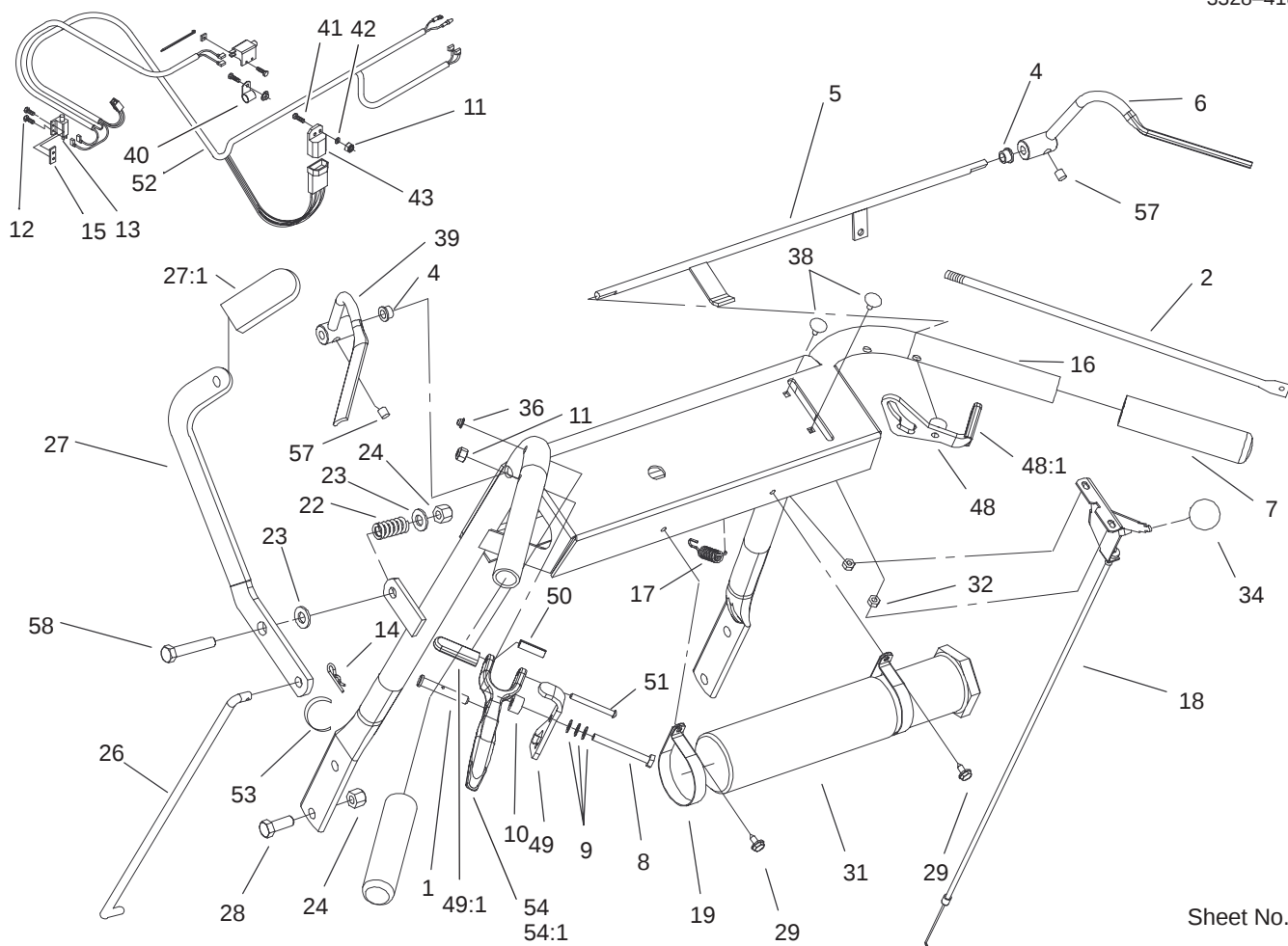


## Wheel Drive Assembly

| Ref. No. | Part No.    | Qty. | Description              |
|----------|-------------|------|--------------------------|
| 2        | 99-8664     | 2    | Screw-HH                 |
| 3        | 32151-47    | 6    | Ring-Retaining           |
| 4        | 1-806003    | 4    | Pin-Hair                 |
| 5        | 1-323245    | 2    | Spring-Compression       |
| 6        | 103-1864    | 2    | Swivel-Lever, Drive      |
| 7        | 322-6       | 2    | Screw-HH                 |
| 9        | 3256-23     | 4    | Washer-Flat              |
| 10       | 1-323548    | 2    | Linkage-Brake            |
| 11       | 1-322125    | 2    | Swivel-Brake             |
| 12       | 1-513959    | 2    | Wingnut-Nylock           |
| 13       | 3290-357    | 14   | Nut-HHF                  |
| 14       | 323-39      | 4    | Screw-HH                 |
| 18       | 1-323352    | 2    | Idler-Wheel, Drive       |
| 19       | 302-19      | 2    | Fitting-Grease           |
| 21       | 1-323307    | 2    | Pin-Clevis               |
| 22       | 103-1611-03 | 2    | Arm-Brake                |
| 23       | 32120-47    | 2    | Ring-Retaining, External |
| 24       | 1-803051    | 2    | Nut-Push                 |
| 25       | 1-323262    | 2    | Band-Brake               |
| 26       | 1-322141-03 | 1    | Axle                     |
| 27       | 1-543436    | 8    | Washer-Spacer            |
| 27       | 1-523157    | 6    | Washer-Spacer            |
| 28       | 1-323261    | 2    | Drum-Brake               |
| 29       | 1-323349    | 2    | Sheave-Wheel, Drive      |
| 34       | 1-808519    | 2    | Ring-Snap                |

| Ref. No. | Part No.    | Qty. | Description         |
|----------|-------------|------|---------------------|
| 36       | 322-5       | 8    | Screw-HH            |
| 37       | 1-603430    | 2    | Scraper             |
| 38       | 1-323744    | 2    | Belt-Drive, Wheel   |
| 39       | 3296-29     | 4    | Nut-Lock, NI        |
| 40       | 2412-104    | 2    | R-Clamp             |
| 41       | 98-3259     | 1    | Shield-Trailing     |
| 42       | 322-3       | 2    | Screw-HH            |
| 43       | 98-5975     | 4    | Washer-Belleville   |
| 44       | 323-6       | 4    | Screw-HH            |
| 45       | 1-373034    | 8    | Washer              |
| 46       | 1-805005    | 8    | Washer-Lock         |
| ☆47      |             | 2    | Wheel And Tire ASM  |
| 47:1     | 1-323361    | 1    | Tire                |
| 47:2     | 1-323360    | 1    | Wheel And Hub ASM   |
| 47:2:1   | 1-323329    | 2    | Bearing-Flanged     |
| ☆47:2:2  |             | 1    | Rim ASM             |
| ☆47:2:3  |             | 1    | Fitting-Grease      |
| ☆47:2:4  |             | 1    | Valve Stem & Cap    |
| 49       | 3290-357    | 2    | Nut-HHF             |
| 50       | 32128-20    | 2    | Nut-HF              |
| 52       | 3296-39     | 8    | Nut-Lock, NI        |
| 53       | 1-323287-01 | 2    | Shield-Wheel, Drive |
| 55       | 1-603402    | 2    | Spring-Extension    |
| 56       | 1-323283    | 4    | Spacer-Shield       |
| 57       | 103-1615-03 | 1    | Arm-Idler, LH       |
| 58       | 103-1616-03 | 1    | Arm-Idler, RH       |

☆ Not serviced separately

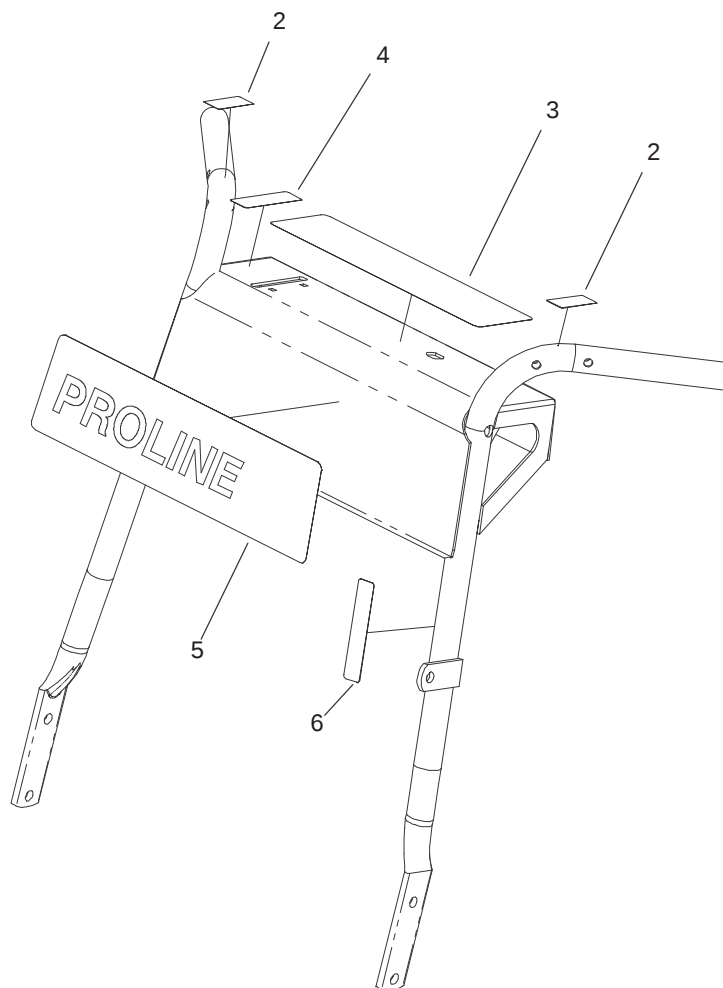


Sheet No.: 5

## Upper Handle Assembly

| Ref. No. | Part No.    | Qty. | Description                       |
|----------|-------------|------|-----------------------------------|
| 1        | 1-808286    | 2    | Pin-Clevis                        |
| 2        | 1-323359    | 2    | Linkage-Wheel, Drive              |
| 4        | 1-303365    | 2    | Bushing-Nylon                     |
| 5        | 106-2717-03 | 1    | Operator Presence Control Rod ASM |
| 6        | 1-412185-03 | 1    | Lever-RH                          |
| 7        | 1-303097    | 2    | Grip-Handle                       |
| 8        | 321-18      | 2    | Screw-HH                          |
| 9        | 1-303435    | 6    | Washer-Spring                     |
| 10       | 1-323549    | 2    | Spacer                            |
| 11       | 3296-42     | 3    | Nut-Lock, NI                      |
| 12       | 3290-500    | 2    | Screw-PPH                         |
| 13       | 1-513051    | 1    | Switch-Open, Normally             |
| 14       | 1-806003    | 2    | Pin-Hair                          |
| 15       | 1-633181    | 1    | Plate-Tapped                      |
| 16       | 106-2719    | 1    | Handle ASM                        |
| 17       | 1-303363    | 1    | Spring-Extension                  |
| 18       | 1-323322    | 1    | Cable-Control, Throttle           |
| 19       | 2412-120    | 2    | R-Clamp                           |
| 22       | 1-303160    | 1    | Spring-Compression                |
| 23       | 3256-4      | 2    | Washer-Flat                       |
| 24       | 3296-39     | 5    | Nut-Lock, NI                      |
| 26       | 1-323298    | 1    | Linkage-Blade, Upper              |
| 27       | 1-322157    | 1    | Lever ASM                         |

| Ref. No. | Part No.    | Qty. | Description            |
|----------|-------------|------|------------------------|
| 27:1     | 1-303020    | 1    | Grip-Lever             |
| 28       | 323-6       | 4    | Screw-HH               |
| 29       | 32104-76    | 2    | Screw                  |
| 31       | 74-0720     | 1    | Tube-Manual            |
| 32       | 3296-2      | 2    | Nut-Lock               |
| 34       | 1-513592    | 1    | Knob-Ball              |
| 36       | 1-803001    | 2    | Nut                    |
| 38       | 1-807513    | 2    | Bolt-CARR              |
| 39       | 1-412183-03 | 1    | Lever-LH               |
| 40       | 1-323229    | 2    | Clip-Loom              |
| 41       | 321-4       | 1    | Screw-HH               |
| 42       | 3256-22     | 1    | Washer-Flat            |
| 43       | 1-323430    | 1    | Module-Harness, Wiring |
| 48       | 1-324280    | 1    | RH Thumb Latch ASM     |
| 48:1     | 1-303019    | 1    | Grip-Latch             |
| 49       | 1-324279    | 1    | LH Thumb Latch ASM     |
| 49:1     | 1-303019    | 1    | Grip-Latch             |
| 50       | 1-806340    | 2    | Pin-Roll               |
| 51       | 1-808250    | 2    | Pin-Clevis             |
| 52       | 103-1660    | 1    | Harness-Wiring         |
| 53       | 1-303088    | 1    | Clip-Cable             |
| 54       | 1-302006    | 2    | Drive Lever ASM        |
| 54:1     | 1-303021    | 1    | Grip-Lever, Drive      |
| 57       | 1-803322    | 2    | Screw-Set              |
| 58       | 323-10      | 1    | Screw-HH               |

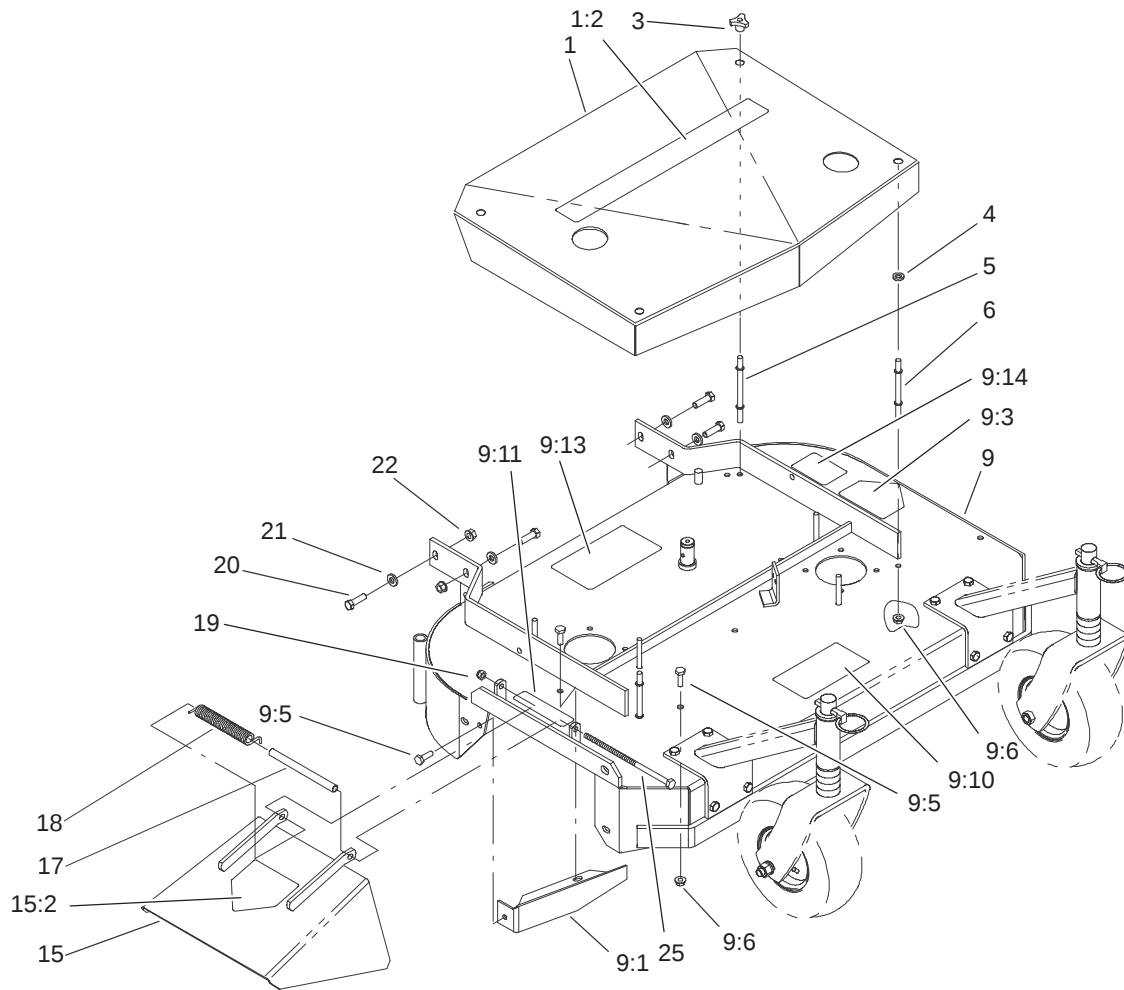


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**Handle Assembly No. 106-2719**

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 2        | 105-4111 | 2    | Decal-Lock, Neutral |
| 3        | 106-2736 | 1    | Decal-Warning       |
| 4        | 106-2734 | 1    | Decal-Throttle      |
| 5        | 106-2735 | 1    | Decal-Proline       |
| 6        | 95-5537  | 1    | Decal-Engage, Deck  |

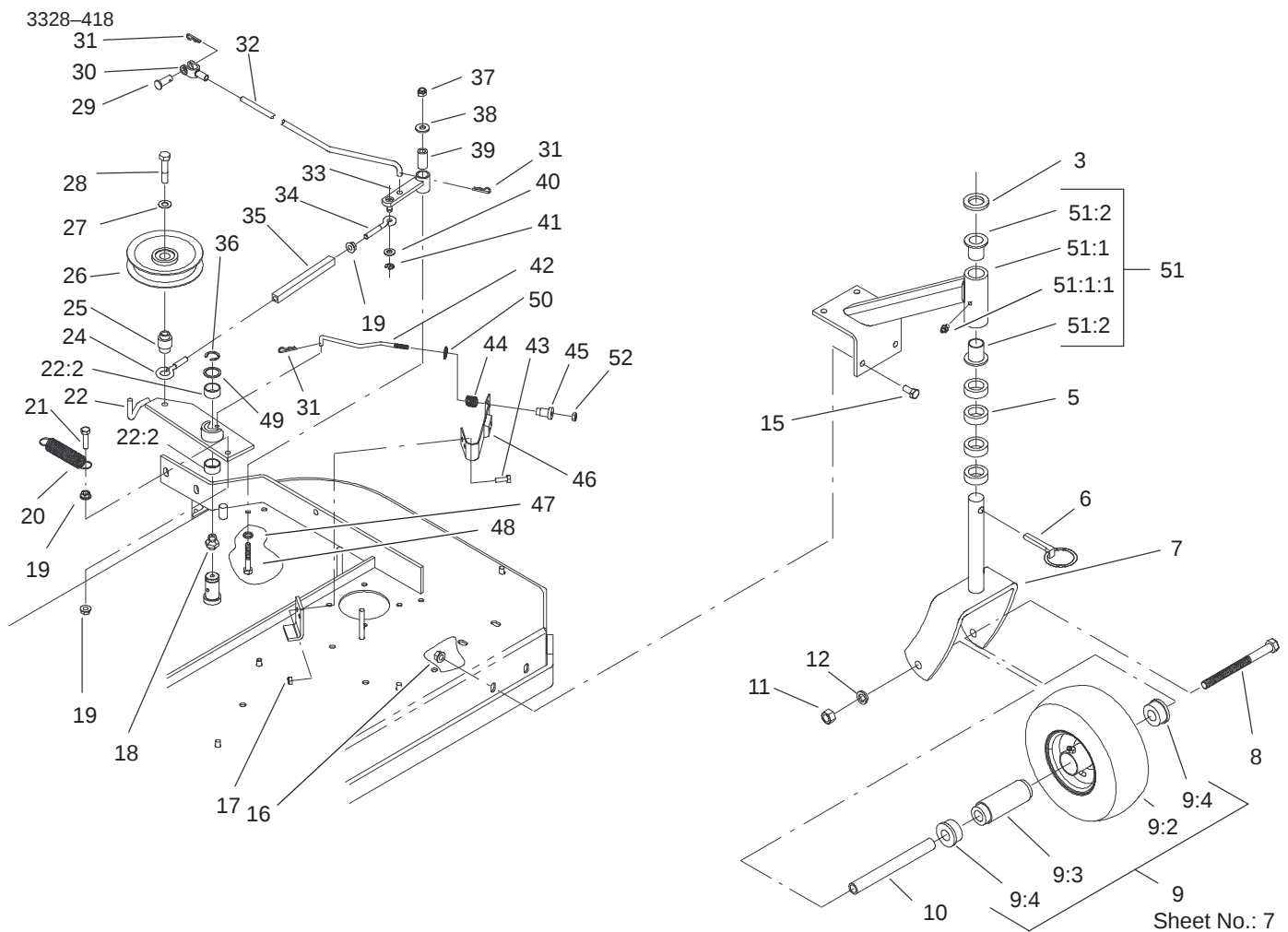
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



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## Deck Assembly

| Ref. No. | Part No.    | Qty. | Description               | Ref. No. | Part No. | Qty. | Description          |
|----------|-------------|------|---------------------------|----------|----------|------|----------------------|
| 1        | 1-324407    | 1    | Shield-Belt               | 24       | 98-5954  | 1    | Decal-Missing, Cover |
| 1:2      | 100-6482    | 1    | Decal-Proline             | 25       | 322-50   | 1    | Screw-HH             |
| 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        | 105-4675    | 1    | Deck ASM                  |          |          |      |                      |
| 9:1      | 1-302189-01 | 1    | Baffle                    |          |          |      |                      |
| 9:3      | 1-403005    | 1    | Decal-Danger              |          |          |      |                      |
| 9:5      | 322-2       | 7    | Screw-HH                  |          |          |      |                      |
| 9:6      | 32128-20    | 7    | Nut-HF                    |          |          |      |                      |
| 9:10     | 66-1340     | 1    | Decal-Danger              |          |          |      |                      |
| 9:11     | 98-5954     | 1    | Decal-Missing, Cover      |          |          |      |                      |
| 9:13     | 98-3296     | 1    | Decal-Routing, Belt       |          |          |      |                      |
| 9:14     | 98-5130     | 1    | Decal-Torque              |          |          |      |                      |
| 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         |          |          |      |                      |
| 22       | 3290-357    | 6    | Nut-HHF                   |          |          |      |                      |

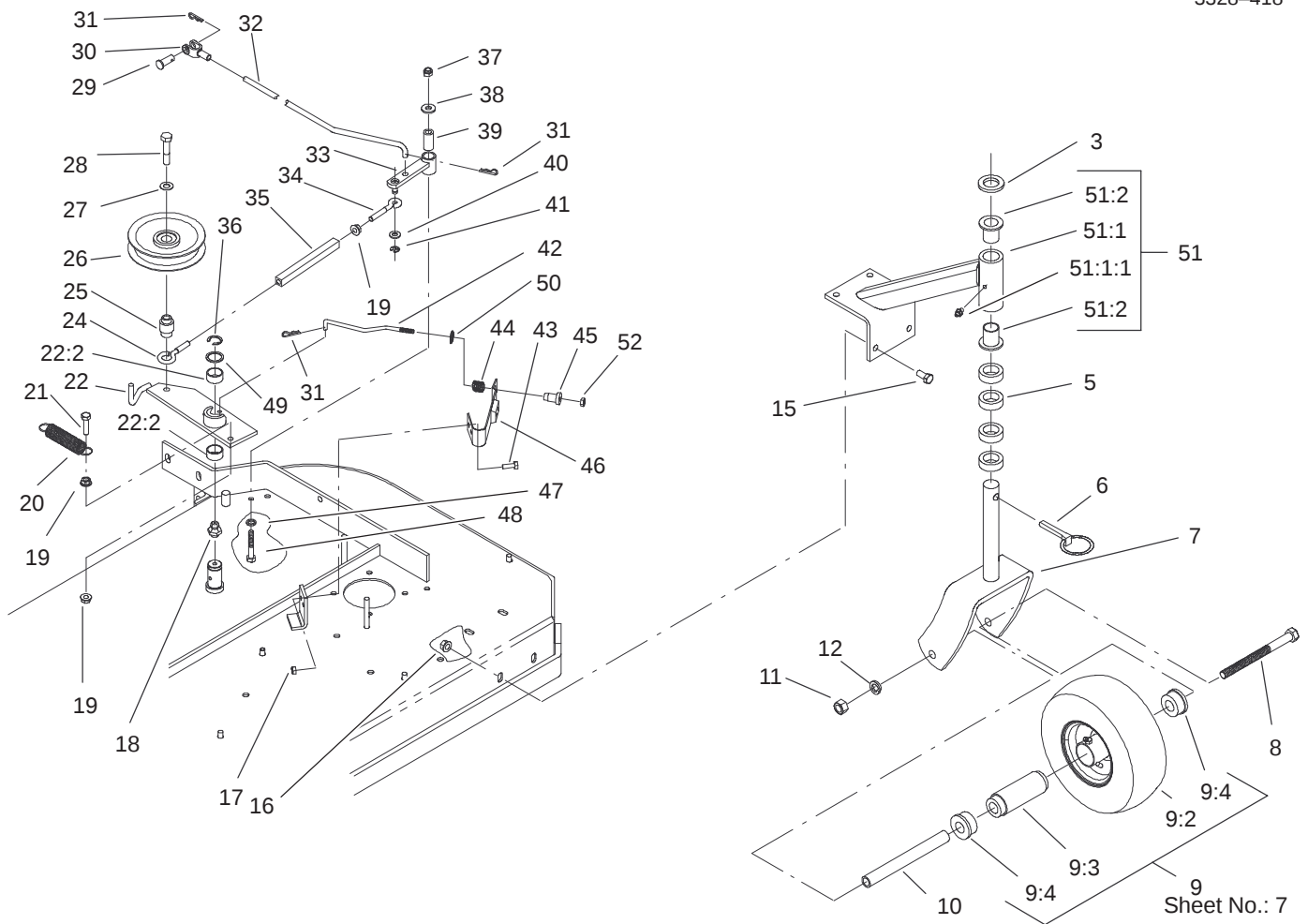


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## Front Caster and Blade Brake Assembly

| Ref. No. | Part No.    | Qty. | Description        |
|----------|-------------|------|--------------------|
| 3        | 1-513338    | 2    | Washer-Flat        |
| 5        | 1-303314    | 8    | Spacer-Caster      |
| 6        | 1-809020    | 2    | Pin                |
| 7        | 1-322145-01 | 2    | Fork               |
| 8        | 325-20      | 2    | Screw-HH           |
| 9        | 1-513648    | 2    | Wheel And Tire ASM |
| 9:2      | 1-513808    | 1    | Tire               |
| 9:3      | 1-513809    | 1    | Bearing            |
| 9:4      | 1-513810    | 2    | Bushing            |
| 10       | 1-513547    | 2    | Spacer             |
| 11       | 3217-9      | 2    | Nut-HH             |
| 12       | 3253-7      | 2    | Washer-Lock        |
| 15       | 323-4       | 8    | Screw-HH           |
| 16       | 3290-357    | 8    | Nut-HHF            |
| 17       | 3296-42     | 2    | Nut-Lock, NI       |
| 18       | 302-19      | 1    | Fitting-Grease     |
| 19       | 32128-20    | 3    | Nut-HF             |
| 20       | 1-323071    | 1    | Spring-Extension   |
| 21       | 322-6       | 2    | Screw-HH           |
| 22       | 1-324408    | 1    | Idle Arm ASM       |
| 22:2     | 1-323729    | 2    | Sleeve-Bearing     |
| 24       | 1-303348    | 1    | Eyebolt-Thread, LH |
| 25       | 1-303434    | 1    | Bushing-Engagement |
| 26       | 1-603843    | 1    | Pulley-Idle        |
| 27       | 98-5975     | 1    | Washer-Belleville  |
| 28       | 702809      | 1    | Screw-Cap          |

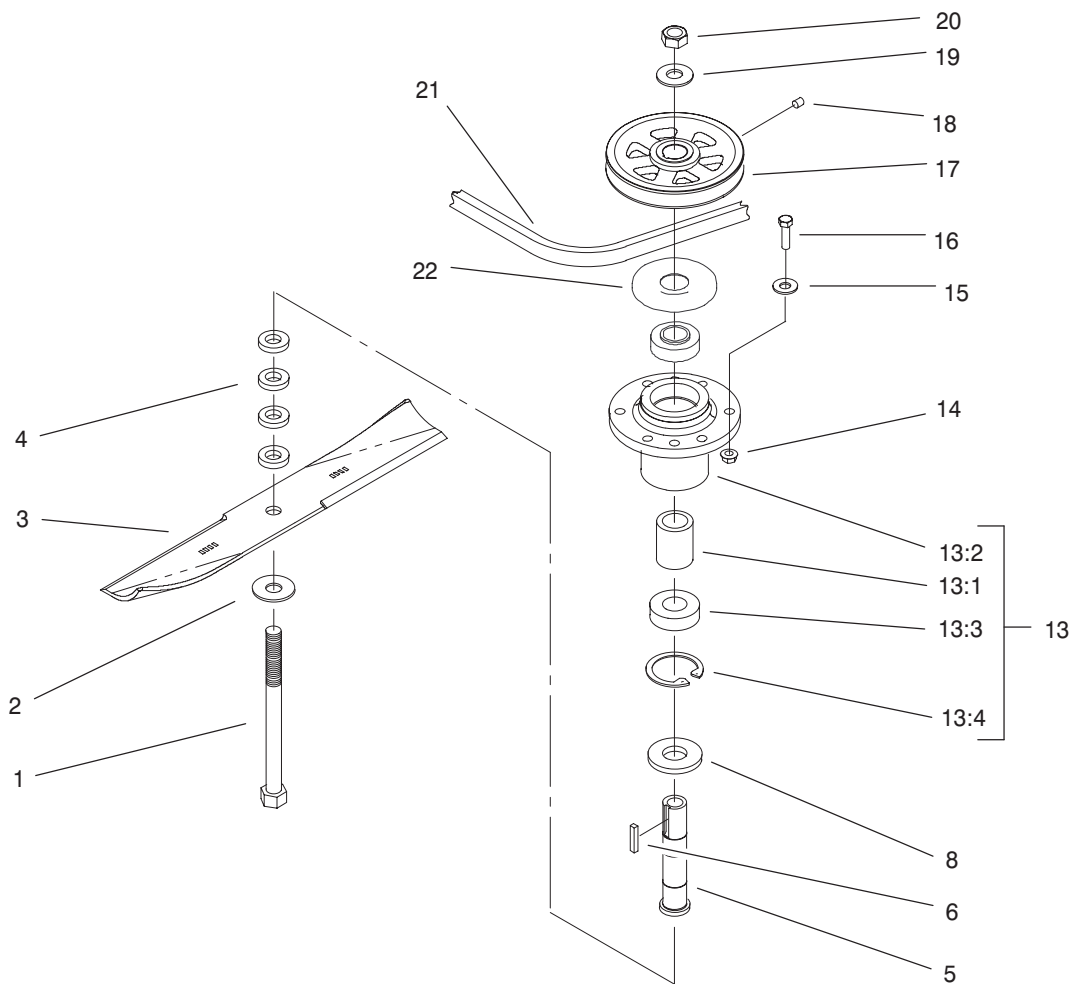
| Ref. No. | Part No.    | Qty. | Description        |
|----------|-------------|------|--------------------|
| 29       | 1-808280    | 1    | Pin-Clevis         |
| 30       | 1-303105    | 1    | Yoke-Adjustable    |
| 31       | 1-806003    | 3    | Pin-Hair           |
| 32       | 1-323303    | 1    | Linkage-Arm        |
| 33       | 1-322235    | 1    | Arm                |
| 34       | 1-303238    | 1    | Eyebolt-Thread, RH |
| 35       | 1-303236    | 1    | Body-Turnbuckle    |
| 36       | 32151-103   | 1    | Ring-Snap          |
| 37       | 3296-29     | 1    | Nut-Lock, NI       |
| 38       | 3256-3      | 1    | Washer-Flat        |
| 39       | 1-403179    | 1    | Tube-Pivot         |
| 40       | 3256-23     | 1    | Washer-Flat        |
| 41       | 32120-35    | 1    | E-Ring             |
| 42       | 1-323718    | 1    | Rod-Brake          |
| 43       | 321-4       | 2    | Screw-HH           |
| 44       | 1-323747    | 1    | Spring-Compression |
| 45       | 1-323746    | 1    | Spacer-Flanged     |
| 46       | 1-324372    | 1    | Pad/Spring ASM     |
| 47       | 1-303334    | 1    | Washer-Spring      |
| 48       | 322-10      | 1    | Screw-HH           |
| 49       | 1-303352    | 1    | Washer-Spindle     |
| 50       | 1-323748    | 1    | Ring-Push On       |
| 51       | 1-302203    | 2    | Support ASM        |
| 51:1     | 1-302194-01 | 1    | Support-Caster     |
| 51:1:1   | 302-52      | 1    | Fitting-Grease     |
| 51:2     | 1-303514    | 2    | Bearing-Flanged    |



## Front Caster and Blade Brake Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description  |
|----------|----------|------|--------------|
| 52       | 3296-56  | 1    | Nut-Lock, NI |

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



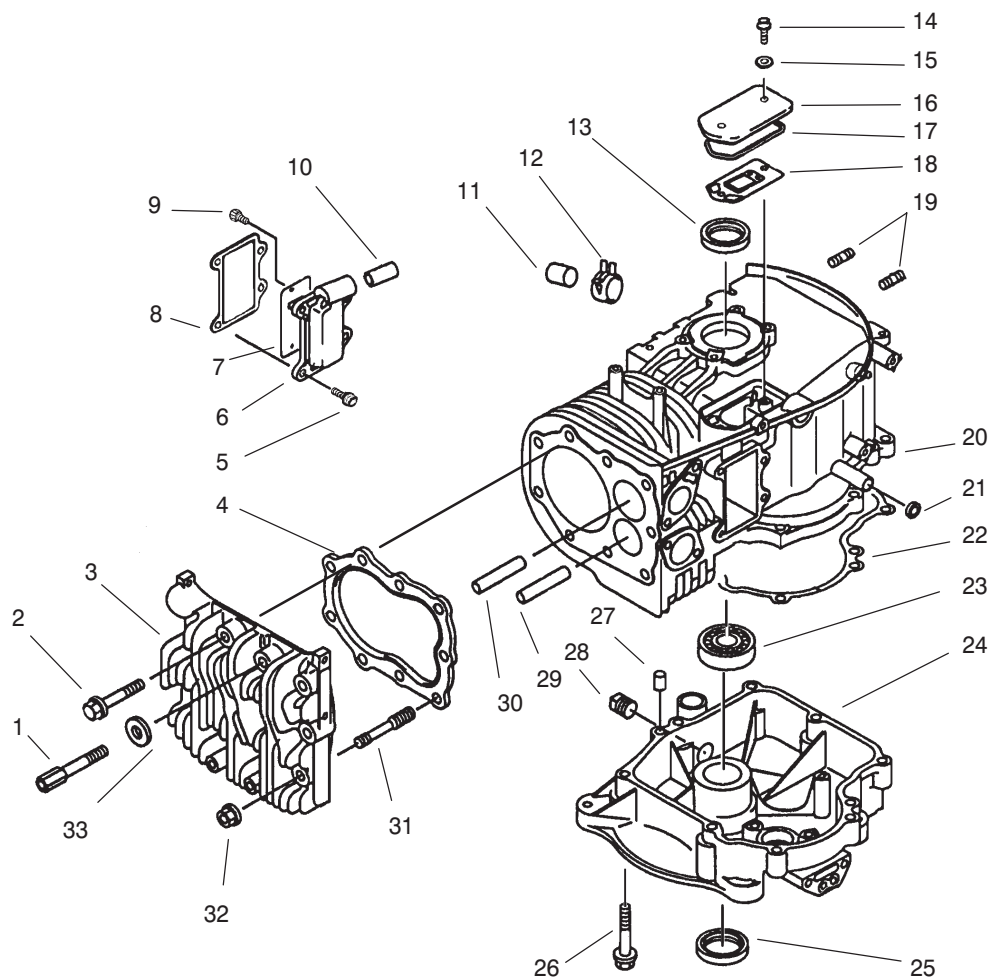
Sheet No.: 8

## Spindle Assembly

| Ref. No. | Part No. | Qty. | Description             |
|----------|----------|------|-------------------------|
| 1        | 1-800861 | 2    | Screw-Cap, HH           |
| 2        | 1-513208 | 2    | Washer-Spring           |
| 3        | 103-2507 | 2    | Blade-Lift, Low         |
| 3        | 103-2527 | 2    | Blade-Notched           |
| 4        | 1-323539 | 8    | Spacer-Drive, Blade     |
| 5        | 1-323529 | 2    | Tube-Spindle, Short     |
| 6        | 1-807267 | 2    | Key                     |
| 8        | 103-2535 | 2    | Spacer-Guard, Bottom    |
| ☆13      |          | 2    | Cutter Housing ASM      |
| 13:1     | 1-323532 | 1    | Housing-Spindle         |
| 13:2     | 103-2477 | 2    | Bearing-Ball            |
| 13:3     | 103-2534 | 1    | Spacer-Bearing          |
| 13:4     | 32120-8  | 1    | Ring-Snap               |
| 14       | 32128-20 | 8    | Nut-HF                  |
| 15       | 1-303334 | 8    | Washer-Spring           |
| 16       | 322-6    | 8    | Screw-HH                |
| 17       | 1-403183 | 2    | Sheave                  |
| 18       | 1-803310 | 2    | Screw-Set               |
| 19       | 1-323339 | 2    | Washer-Retainer, Sheave |
| 20       | 3219-6   | 2    | Nut-Hex                 |
| 21       | 1-323745 | 1    | Belt-Blade, Drive       |
| 22       | 103-1330 | 2    | Guard-Bearing, Top      |

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

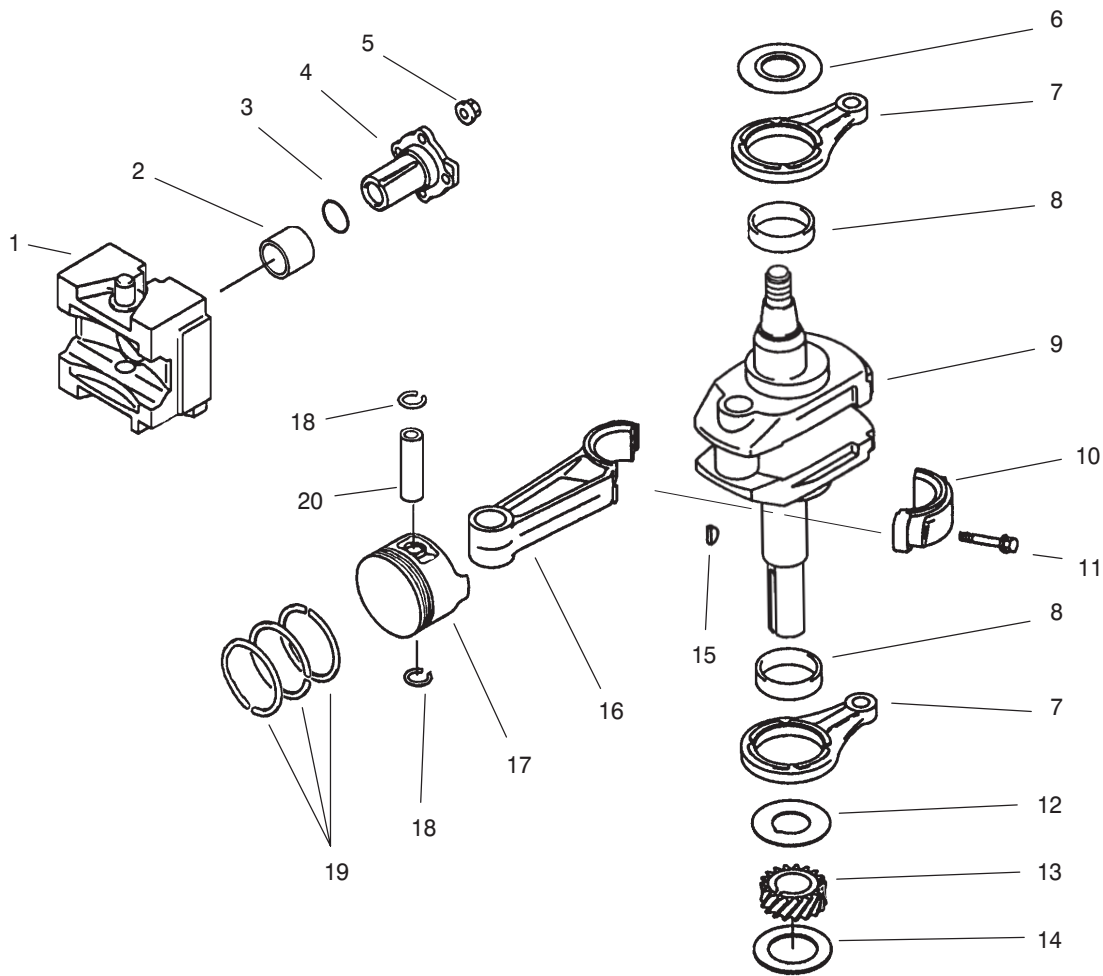
☆ Not serviced separately



## Crankcase Assembly Kawasaki FB460V-MS14

| Ref. No. | Part No.   | Qty. | Description         |
|----------|------------|------|---------------------|
| 1        | 92002-2258 | 2    | Bolt                |
| 2        | 130g1055   | 4    | Bolt-Flange         |
| 3        | 11001-2151 | 1    | Head-Cylinder       |
| 4        | 11004-2091 | 1    | Gasket-Head         |
| 5        | 130g0616   | 4    | Bolt-Flange         |
| 6        | 49108-2011 | 1    | Cover-Valve Chamber |
| 7        | 14025-2143 | 1    | Cover               |
| 8        | 11060-2375 | 1    | Gasket              |
| 9        | 92009-2307 | 2    | Screw               |
| 10       | 92059-2142 | 1    | Tube                |
| 11       | 92066-2096 | 1    | Plug                |
| 12       | 92170-2088 | 1    | Clamp               |
| 13       | 92049-2096 | 1    | Seal-Oil            |
| 14       | 92002-2087 | 2    | Bolt                |
| 15       | 11060-2323 | 2    | Gasket              |
| 16       | 14025-2040 | 1    | Cover-Breather      |
| 17       | 11009-2339 | 1    | Gasket-Cover        |
| 18       | 14069-2062 | 1    | Breather            |
| 19       | 92004-2083 | 4    | Stud-6 X 14         |
| 20       | 49120-6108 | 1    | Crankcase-Complete  |
| 21       | 92049-2097 | 1    | Seal-Oil            |
| 22       | 11060-2015 | 1    | Gasket-Crankcase    |
| 23       | 601a6207   | 1    | Bearing-Ball        |
| 24       | 49015-6176 | 1    | Cover-Crankcase     |

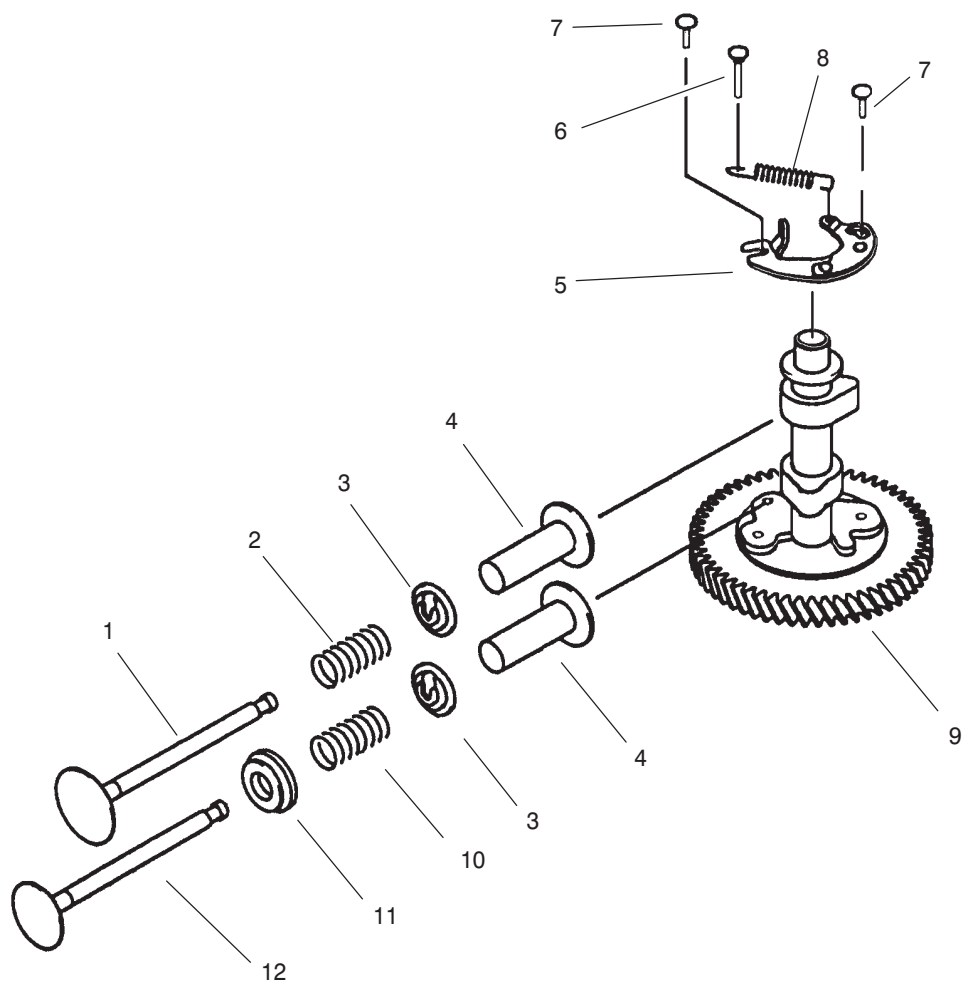
| Ref. No. | Part No.   | Qty. | Description         |
|----------|------------|------|---------------------|
| 25       | 92049-2227 | 1    | Seal-Oil            |
| 26       | 130g0845   | 8    | Bolt-Flange         |
| 27       | 92043-1263 | 2    | Pin                 |
| 28       | 92066-2097 | 1    | Plug                |
| 29       | 49002-2071 | 1    | Guide-Valve Exhaust |
| 30       | 49002-2070 | 1    | Guide-Valve Intake  |
| 31       | 92004-2082 | 3    | Stud                |
| 32       | 92015-2115 | 3    | Nut                 |
| 33       | 410b1000   | 2    | Washer-Plain        |



## Piston/Crankshaft Crankcase Assembly Kawasaki FB460V-MS14

| Ref. No. | Part No.   | Qty. | Description    |
|----------|------------|------|----------------|
| 1        | 13042-6006 | 1    | Weight Incl #2 |
| 2        | 92141-2097 | 1    | Bearing-Plane  |
| 3        | 92055-2072 | 1    | O-Ring         |
| 4        | 13107-2253 | 1    | Shaft          |
| 5        | 92015-1193 | 4    | Nut            |
| 6        | 92026-2164 | 1    | Spacer         |
| 7        | 46102-6007 | 2    | Rod Incl #8    |
| 8        | 92141-2108 | 2    | Bearing-Plane  |
| 9        | 49119-2177 | 1    | Crankshaft ASM |
| 11       | 92150-2193 | 2    | Bolt           |
| 12       | 92026-2156 | 1    | Spacer         |
| 13       | 59056-2105 | 1    | Gear-Helical   |
| 14       | 92025-2145 | A/R  | Shim T=1.18    |
| 14       | 92025-2146 | A/R  | Shim T=1.25    |
| 14       | 92025-2147 | A/R  | Shim T=1.32    |
| 14       | 92025-2148 | A/R  | Shim T=1.39    |
| 14       | 92025-2149 | A/R  | Shim T=1.46    |
| 14       | 92025-2150 | A/R  | Shim T=1.53    |
| 14       | 92025-2151 | A/R  | Shim T=1.60    |
| 14       | 92025-2152 | A/R  | Shim T=1.67    |
| 14       | 92025-2153 | A/R  | Shim T=1.74    |
| 14       | 92180-2015 | A/R  | Shim T=1.11    |
| 14       | 92180-2016 | A/R  | Shim T=1.81    |
| 15       | 92038-2094 | 1    | Key            |

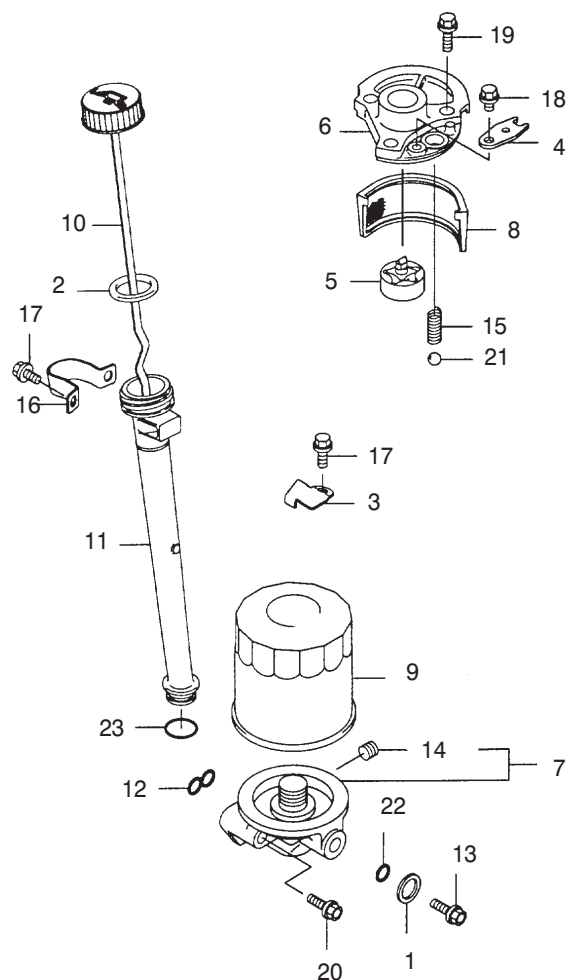
| Ref. No. | Part No.   | Qty. | Description                 |
|----------|------------|------|-----------------------------|
| 16       | 13251-6005 | 1    | Rod ASM Incl #10 11         |
| 16       | 13251-6007 | A/R  | Rod ASM Incl #10 11<br>0.50 |
| 17       | 13001-2096 | 1    | Piston                      |
| 17       | 13029-2084 | A/R  | Piston 0.25                 |
| 17       | 13029-2085 | A/R  | Piston 0.50                 |
| 18       | 92033-2176 | 2    | Ring-Snap                   |
| 19       | 13008-6009 | 1    | Set-Ring Piston             |
| 19       | 13008-6010 | A/R  | Set-Ring Piston 0.25        |
| 19       | 13008-6011 | A/R  | Set-Ring Piston 0.50        |
| 20       | 13002-2066 | 1    | Pin-Piston                  |



# Valve/Camshaft Assembly Kawasaki FB460V-MS14

| Ref. No. | Part No.   | Qty. | Description         |
|----------|------------|------|---------------------|
| 1        | 12004-2076 | 1    | Valve-Intake        |
| 2        | 49078-2075 | 1    | Spring-Valve        |
| 3        | 39108-2054 | 2    | Retainer-Spring     |
| 4        | 12032-2058 | 2    | Tappet              |
| 5        | 21118-2068 | 1    | Decompressor        |
| 6        | 92043-2167 | 1    | Pin                 |
| 7        | 92043-2113 | 2    | Pin                 |
| 8        | 92144-2171 | 1    | Spring              |
| 9        | 49118-2134 | 1    | Camshaft Incl # 5-8 |
| 10       | 49078-2074 | 1    | Spring-Valve        |
| 11       | 12039-2052 | 1    | Rotator             |
| 12       | 12005-2066 | 1    | Valve-Exhaust       |

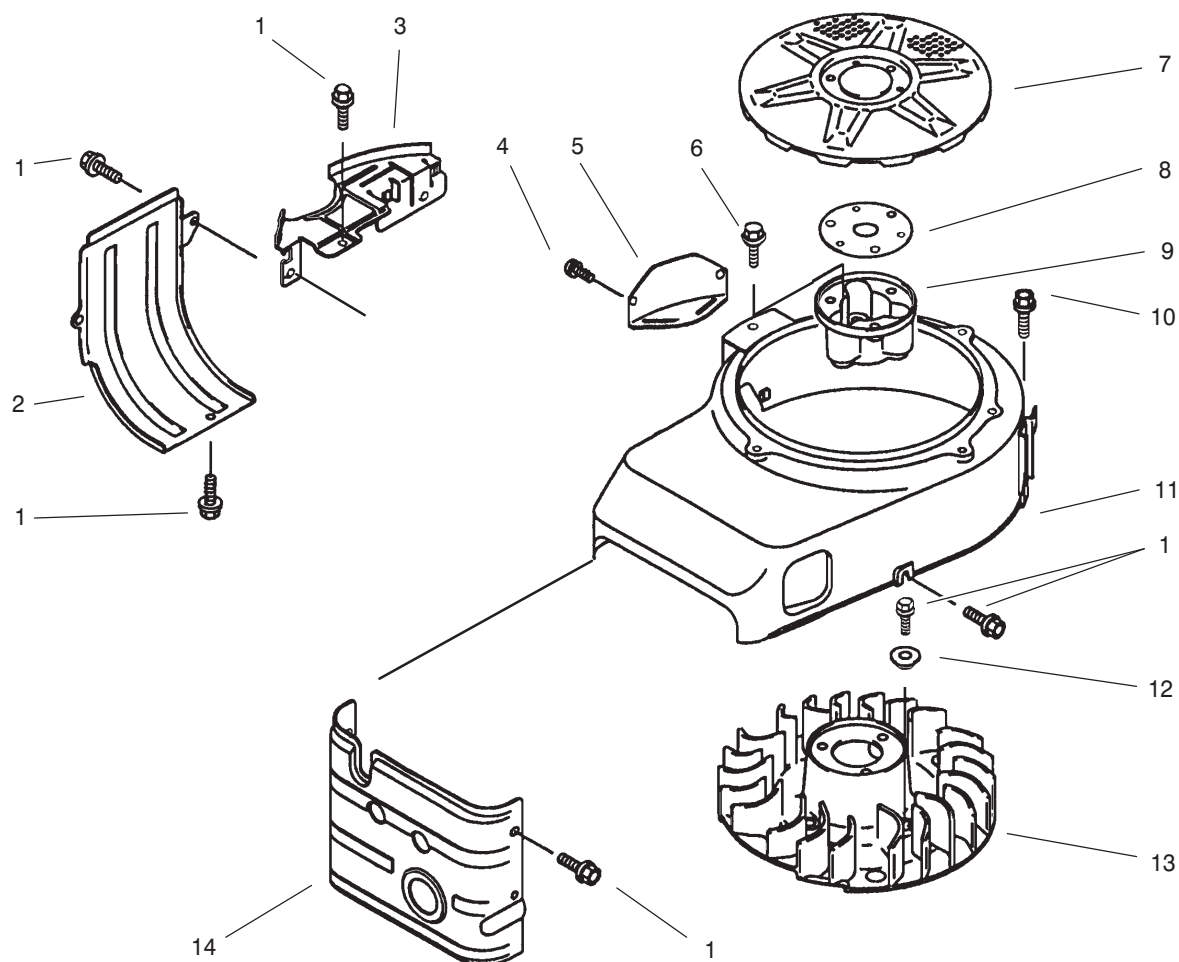
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



# Lubrication Equipment Assembly Kawasaki FB460V-MS14

| Ref. No. | Part No.      | Qty. | Description      |
|----------|---------------|------|------------------|
| 1        | 11009-2175    | 1    | Gasket           |
| 2        | 11009-2346    | 1    | Gasket-Oil Gauge |
| 3        | 13169-2359    | 1    | Plate            |
| 4        | 13270-2054    | 1    | Plate            |
| 5        | 16082-2057    | 1    | Pump Assy-Oil    |
| 6        | 16142-6001    | 1    | Cover-Pump       |
| 7        | 23062-6001    | 1    | Bracket-Comp     |
| 8        | 49065-2056    | 1    | Filter-Oil       |
| 9        | 49065-2071    | 1    | Filter-Oil       |
| 10       | 52005-2058    | 1    | Gauge-Oil        |
| 11       | 59231-2059    | 1    | Filler           |
| 12       | 92055-2063    | 1    | Ring-O           |
| 13       | 92066-2093    | 1    | Plug             |
| 14       | 92066-2211    | 1    | Plug             |
| 15       | 92081-2216    | 1    | Spring           |
| 16       | 92170-2014-9H | 1    | Clamp            |
| 17       | 130B0508      | 3    | Bolt-Flanged     |
| 18       | 130B610       | 1    | Bolt-Flanged     |
| 19       | 130G0825      | 3    | Bolt-Flanged     |
| 20       | 130G0845      | 2    | Bolt-Flanged     |
| 21       | 600A1000      | 1    | Ball-Steel       |
| 22       | 670D1507      | 1    | O Ring           |
| 23       | 670D2016      | 1    | O Ring           |

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

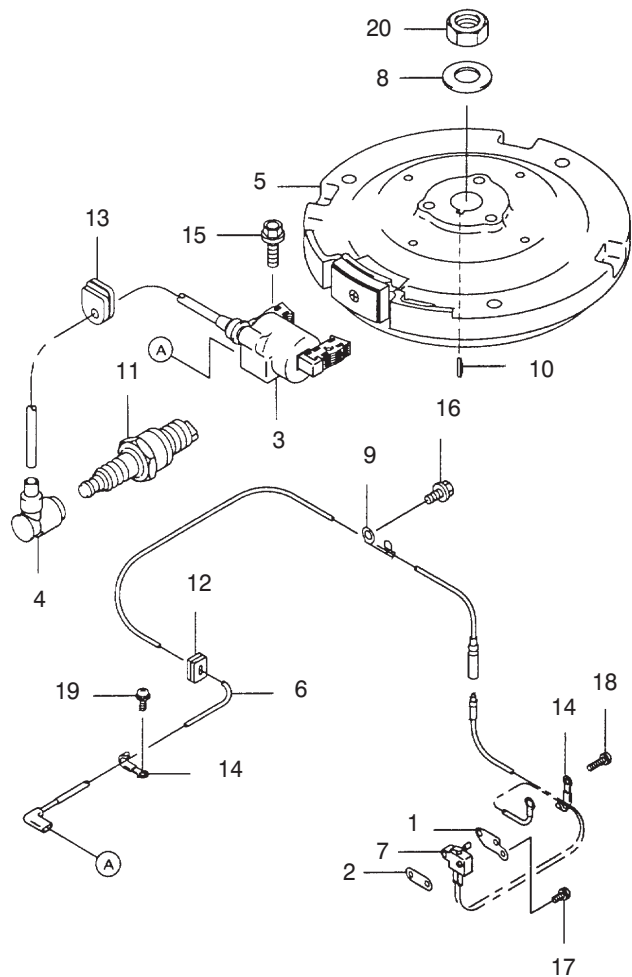


# Cooling Equipment Assembly

## Kawasaki FB460V-MS14

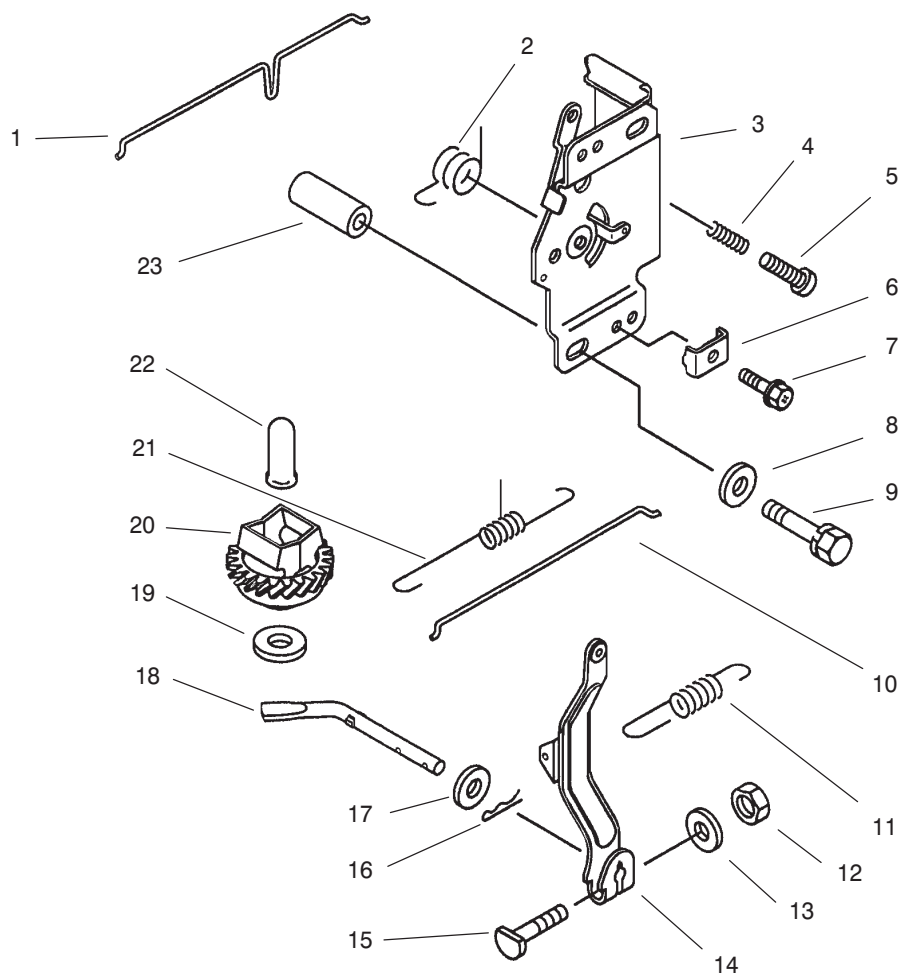
| Ref. No. | Part No.      | Qty. | Description   |
|----------|---------------|------|---------------|
| 1        | 130g0610      | 9    | Bolt-Flange   |
| 2        | 49089-2199-9H | 1    | Shroud-Engine |
| 3        | 59066-2295-9H | 1    | Housing-Fan   |
| 4        | 234b0408      | 2    | Screw         |
| 5        | 14024-2038-9H | 1    | Cover         |
| 6        | 130b0820      | 3    | Bolt-Flange   |
| 7        | 14037-2104-9H | 1    | Screen        |
| 8        | 92025-2003    | A/R  | Shim T-1.20   |
| 9        | 11044-2084    | 1    | Bracket       |
| 10       | 130go614      | 6    | Bolt-Flange   |
| 11       | 59066-2677-9H | 1    | Housing-Fan   |
| 12       | 92143-2179    | 4    | Collar        |
| 13       | 59041-2081    | 1    | Fan           |
| 14       | 49089-2181-9H | 1    | Shroud-Engine |

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



**Electric Equipment Assembly**  
**Kawasaki FB460V-MS14**

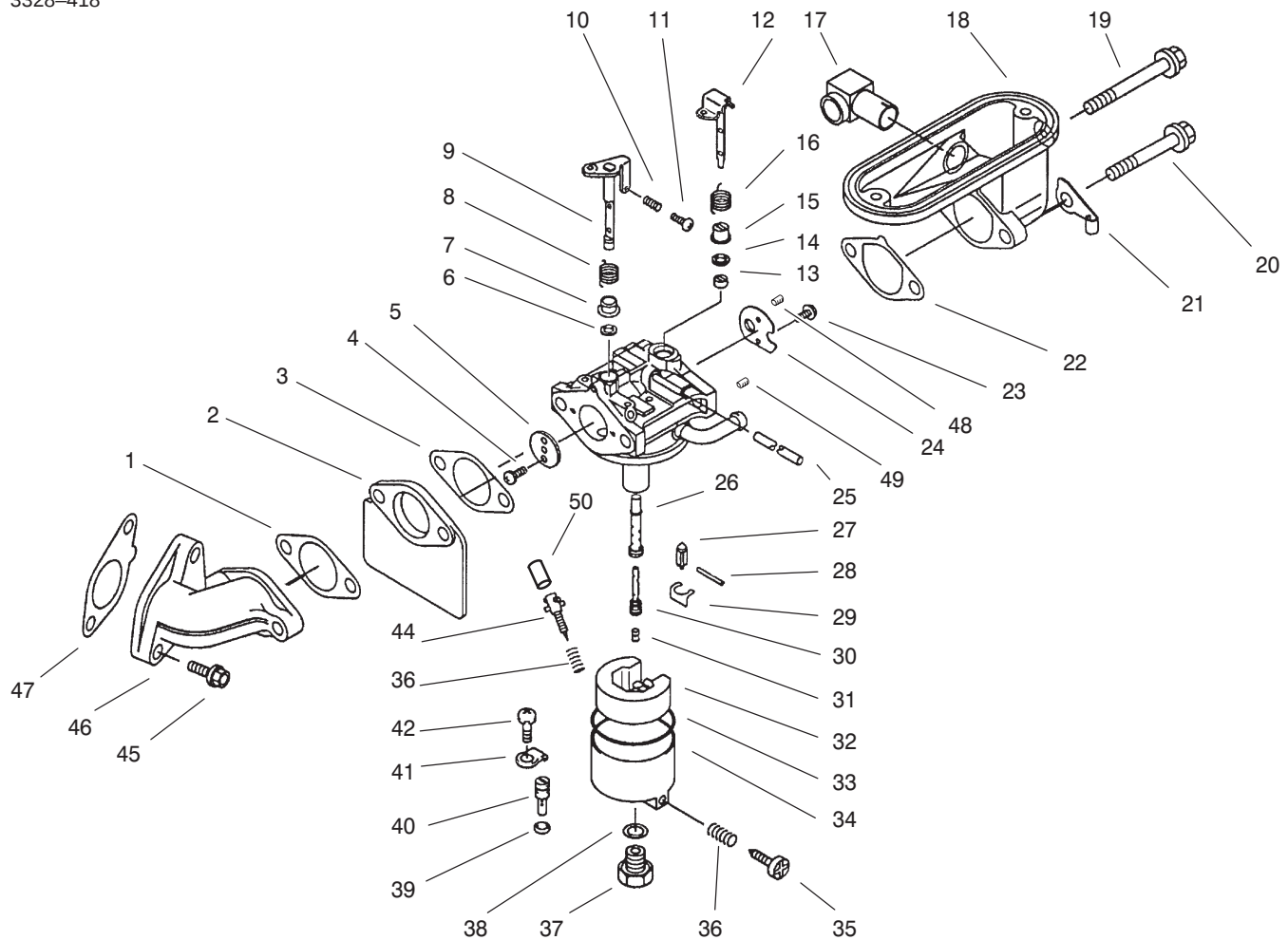
| Ref. No. | Part No.   | Qty. | Description            | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|------------------------|----------|----------|------|-------------|
| 1        | 13183-2373 | 1    | Plate                  |          |          |      |             |
| 2        | 13183-2374 | 1    | Plate                  |          |          |      |             |
| 3        | 21121-2086 | 1    | Coil-Ignition          |          |          |      |             |
| 4        | 21130-2060 | 1    | Cap-Spark Plug         |          |          |      |             |
| 5        | 21194-2324 | 1    | Flywheel-Comp          |          |          |      |             |
| 6        | 26011-2326 | 1    | Wire-Lead L530         |          |          |      |             |
| 7        | 27010-2167 | 1    | Switch                 |          |          |      |             |
| 8        | 92022-2178 | 1    | Washer                 |          |          |      |             |
| 9        | 92037-2011 | 1    | Clamp                  |          |          |      |             |
| 10       | 92038-2094 | 1    | Key                    |          |          |      |             |
| 11       | 92070-2105 | 1    | Plug-Spark BMR4A (NGK) |          |          |      |             |
| 12       | 92071-2099 | 1    | Grommet                |          |          |      |             |
| 13       | 92071-2100 | 1    | Grommet                |          |          |      |             |
| 14       | 92170-2029 | 2    | Clamp                  |          |          |      |             |
| 15       | 130B0520   | 2    | Bolt-Flanged           |          |          |      |             |
| 16       | 130B0610   | 1    | Bolt-Flanged           |          |          |      |             |
| 17       | 223B0410   | 1    | Screw-Pan Ws Cros      |          |          |      |             |
| 18       | 233B0416   | 1    | Screw-Pan Ws Cros      |          |          |      |             |
| 19       | 234B0408   | 1    | Screw-Pan Wsp          |          |          |      |             |
| 20       | 314G1800   | 1    | Nut-Hex Fine           |          |          |      |             |



# Control Equipment Assembly

## Kawasaki FB460V-MS14

| Ref. No. | Part No.   | Qty. | Description       |
|----------|------------|------|-------------------|
| 1        | 16169-2126 | 1    | Link-Choke        |
| 2        | 92081-2316 | 1    | Spring            |
| 3        | 49113-2090 | 1    | Panel Incl #2 4-7 |
| 4        | 92144-2266 | 1    | Spring            |
| 5        | 214b0416   | 1    | Screw             |
| 6        | 92037-2020 | 1    | Clamp             |
| 7        | 92002-2188 | 1    | Bolt              |
| 8        | 92200-2070 | 2    | Washer            |
| 9        | 180b0650   | 2    | Bolt              |
| 10       | 16171-2083 | 1    | Link              |
| 11       | 92144-2008 | 1    | Spring-Governor   |
| 12       | 311b0600   | 1    | Nut-HH            |
| 13       | 411b0600   | 1    | Washer            |
| 14       | 21187-2052 | 1    | Arm ASM           |
| 15       | 92002-2269 | 1    | Bolt              |
| 16       | 554a0600   | 1    | Pin-Snap          |
| 17       | 92200-2029 | 1    | Washer            |
| 18       | 39003-2072 | 1    | Arm-Pivot         |
| 19       | 92200-2036 | 1    | Washer            |
| 20       | 49110-2084 | 1    | Governor ASM      |
| 21       | 92081-2213 | 1    | Spring            |
| 22       | 42036-2060 | 1    | Sleeve            |
| 23       | 92027-2071 | 2    | Collar            |



## Carburetor Assembly Kawasaki FB460V-MS14

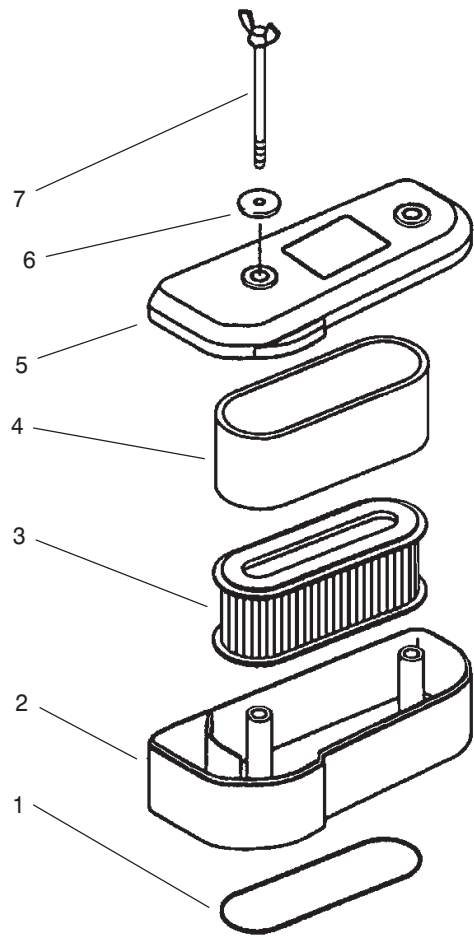
| Ref. No. | Part No.   | Qty. | Description         |
|----------|------------|------|---------------------|
| 0        | 15003-2467 | 1    | Carburetor ASM      |
| 1        | 11060-2338 | 1    | Gasket-Intake Pipe  |
| 2        | 16073-2091 | 1    | Insulator           |
| 3        | 11060-2339 | 2    | Gasket-Carburetor   |
| 4        | 92009-2080 | 2    | Screw               |
| 5        | 16025-2141 | 1    | Valve-Throttle #110 |
| 6        | 92093-2082 | 1    | Seal                |
| 7        | 92027-2025 | 1    | Collar              |
| 8        | 92081-2077 | 1    | Spring              |
| 9        | 16041-2009 | 1    | Shaft-Throttle      |
| 10       | 92081-2046 | 1    | Spring              |
| 11       | 92009-2079 | 1    | Screw               |
| 12       | 16041-2010 | 1    | Shaft-Choke         |
| 13       | 92027-2003 | 1    | Collar              |
| 14       | 92093-2069 | 1    | Seal                |
| 15       | 92143-2142 | 1    | Collar              |
| 16       | 92144-2160 | 1    | Spring              |
| 17       | 59071-2062 | 1    | Joint               |
| 18       | 16060-2108 | 1    | Pipe-Intake         |
| 19       | 92002-2254 | 1    | Bolt                |
| 20       | 92002-2253 | 1    | Bolt                |
| 21       | 92170-2019 | 1    | Clamp               |
| 22       | 11060-2338 | 1    | Gasket              |
| 23       | 92009-2081 | 2    | Screw               |

| Ref. No. | Part No.   | Qty. | Description                     |
|----------|------------|------|---------------------------------|
| 24       | 16126-2206 | 1    | Valve-Choke                     |
| 25       | 92059-2266 | 1    | Tube                            |
| 26       | 49121-2207 | 1    | Nozzle-Main #98A                |
| 27       | 16030-2073 | 1    | Valve-Float                     |
| 28       | 92043-2006 | 1    | Pin                             |
| 29       | 92033-2067 | 1    | Ring-Snap                       |
| 30       | 49123-2078 | 1    | Holder-Main Jet                 |
| 31       | 92063-2294 | 1    | Jet-Main                        |
| 32       | 16031-2066 | 1    | Float                           |
| 33       | 11009-2024 | 1    | Gasket                          |
| 34       | 16020-2109 | 1    | Chamber-Float<br>Incl 35 and 36 |
| 35       | 92009-2015 | 1    | Screw                           |
| 36       | 92081-2009 | 2    | Spring                          |
| 37       | 92150-2146 | 1    | Bolt                            |
| 38       | 11009-2025 | 1    | Gasket                          |
| 39       | 16038-024  | 1    | Gasket                          |
| 40       | 92064-2108 | 1    | Jet-Pilot                       |
| 41       | 13183-2252 | 1    | Plate                           |
| 42       | 92009-2244 | 1    | Screw                           |
| 44       | 16014-2076 | 1    | Screw-Pilot Air                 |
| 45       | 130g0825   | 2    | Bolt-Flange                     |
| 46       | 16060-2109 | 1    | Pipe-Intake                     |
| 47       | 11060-2337 | 1    | Gasket-Intake Pipe              |

## Carburetor Assembly (Continued)

### Kawasaki FB460V-MS14

| Ref. No. | Part No.   | Qty. | Description  |
|----------|------------|------|--------------|
| 48       | 16035-2063 | 1    | Jet-Air #0.9 |
| 49       | 16035-2051 | 1    | Jet-Air #1.4 |
| 50       | 39076-2053 | 1    | Limiter      |

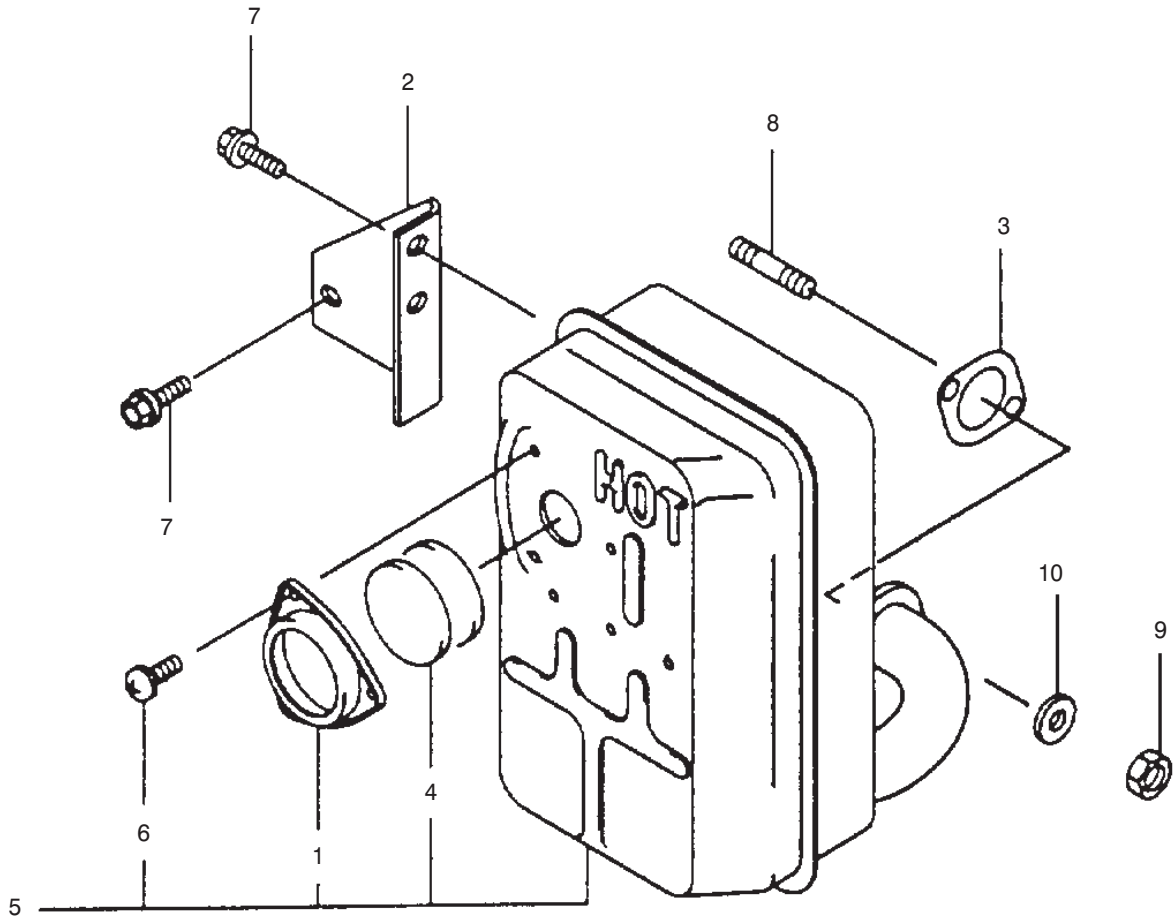


**Air Filter Assembly**  
**Kawasaki FB460V-MS14**

| Ref. No. | Part No.   | Qty. | Description        | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|--------------------|----------|----------|------|-------------|
| 1        | 11009-2443 | 1    | Gasket-Air Filter  |          |          |      |             |
| 2        | 11011-2174 | 1    | Case-Air Filter    |          |          |      |             |
| 3        | 11013-2021 | 1    | Element-Air Filter |          |          |      |             |
| 4        | 11013-2020 | 1    | Element-Air Filter |          |          |      |             |
| 5        | 11012-2192 | 1    | Cap-Air Filter     |          |          |      |             |
| 6        | 92022-2220 | 2    | Washer             |          |          |      |             |
| 7        | 92002-2230 | 2    | Bolt               |          |          |      |             |
|          | 11010-2291 | 1    | Filter ASM         |          |          |      |             |







**Muffler Assembly**  
**Kawasaki FB460V-MS14**

| Ref. No. | Part No.      | Qty. | Description        | Ref. No. | Part No. | Qty. | Description |
|----------|---------------|------|--------------------|----------|----------|------|-------------|
| 1        | 11012-2251-9Y | 1    | Cap-Spark Arrester |          |          |      |             |
| 2        | 11046-2163-9Y | 1    | Bracket            |          |          |      |             |
| 3        | 11060-2379    | 1    | Gasket             |          |          |      |             |
| 4        | 18077-2052    | 2    | Arrester-Spark     |          |          |      |             |
| 5        | 49069-2210-9Y | 1    | Muffler Assembly   |          |          |      |             |
| 6        | 92009-2166    | 3    | Screw              |          |          |      |             |
| 7        | 130G0812      | 4    | Bolt-Flanged       |          |          |      |             |
| 8        | 171G0818      | 2    | Bolt-Stud          |          |          |      |             |
| 9        | 317R0800      | 2    | Nut-Hex Small      |          |          |      |             |
| 10       | 461F0800      | 2    | Washer-Spring      |          |          |      |             |

## Maintenance Record

[illegible]

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[illegible]

