



## Mid-Size Mower

### ProLine T-Bar Gear 17 HP with 52in SD Mower

Model No. 30322—2300000001 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.

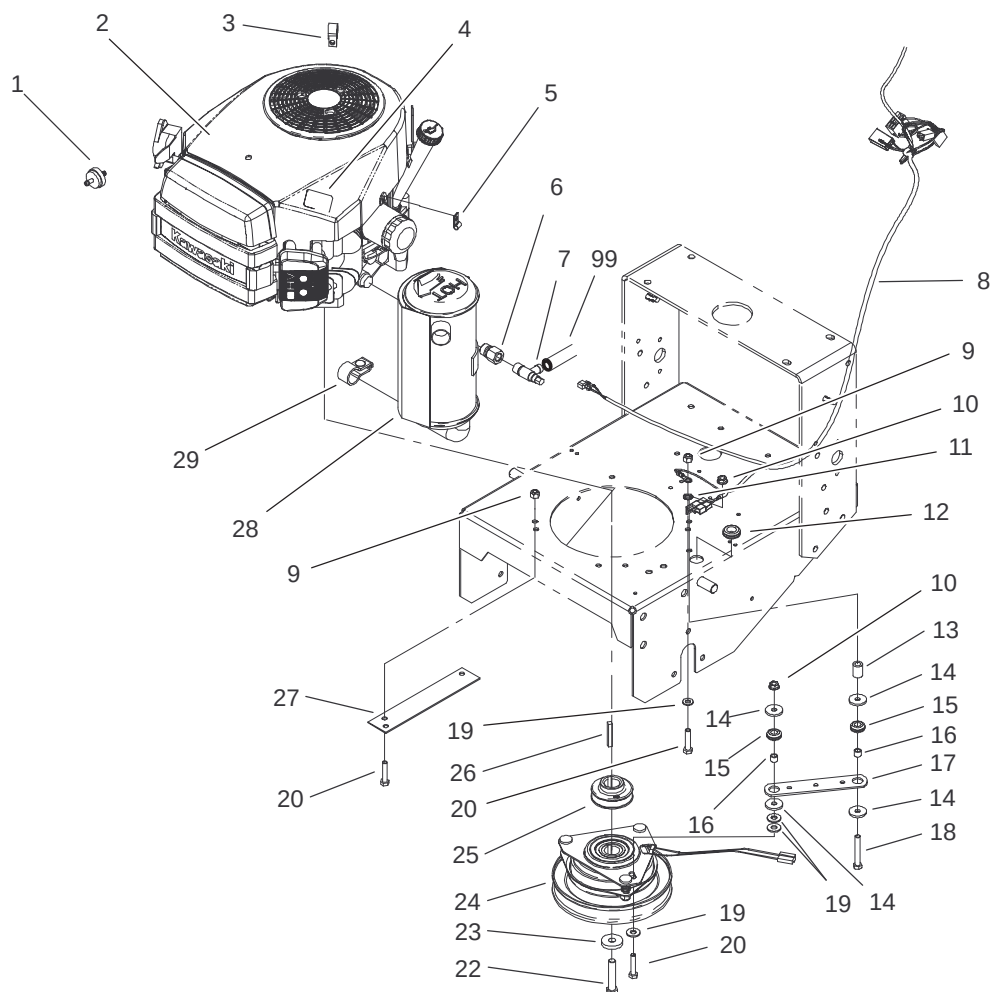
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## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

| <b>Abbreviation</b> | <b>Meaning</b>                    | <b>Abbreviation</b> | <b>Meaning</b>          |
|---------------------|-----------------------------------|---------------------|-------------------------|
| 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               |

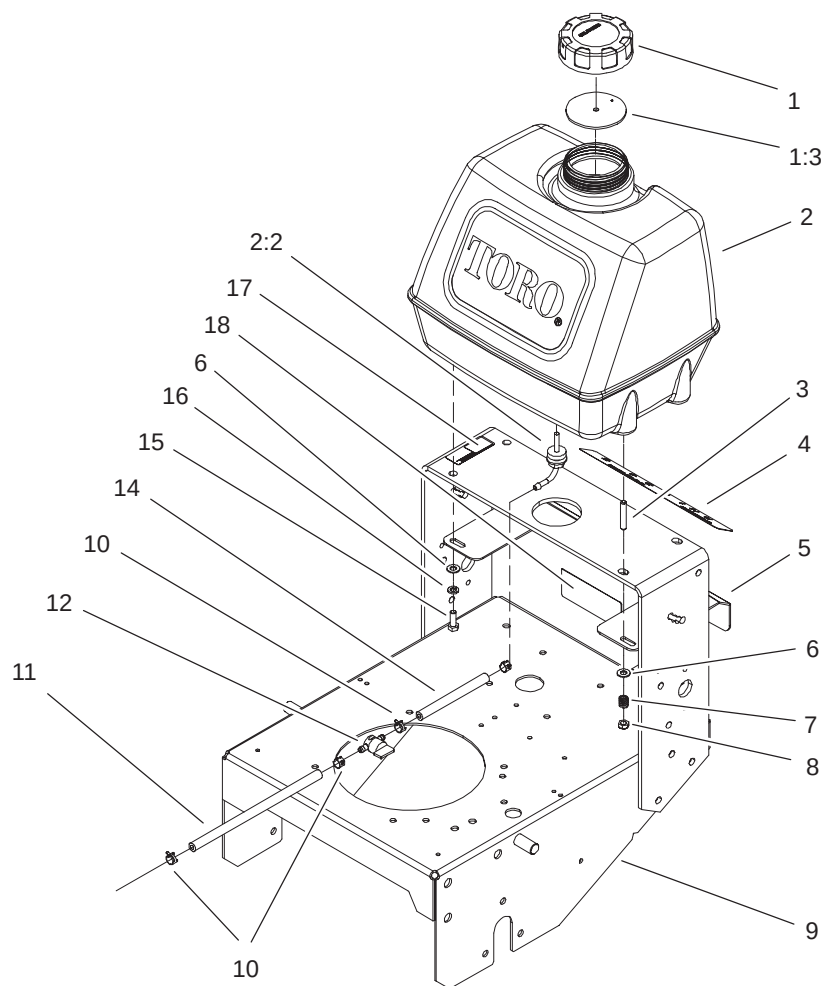


Sheet No.:4

## Engine Installation Assembly

| Ref. No. | Part No. | Qty. | Description                  | Ref. No. | Part No.   | Qty. | Description     |
|----------|----------|------|------------------------------|----------|------------|------|-----------------|
| 1        | 56-6360  | 1    | Filter-Fuel                  | 26       | 608006     | 1    | Key-Square      |
| ☆2       |          | 1    | Engine-Kawasaki, Fh500v-As29 | 27       | 94-5847-01 | 1    | Cover-Pulley    |
| 3        | 2412-87  | 1    | Clamp-Cable                  | 28       | 100-6467   | 1    | Muffler         |
| 4        | 106-0699 | 1    | Decal-Warning, Hot Surfaces  | 29       | 100-6468   | 1    | Clamp-Muffler   |
| 5        | 2412-72  | 1    | Clip-Closed, Insulated       | 99       | 103-1964   | 1    | Hose-Drain, Oil |
| 6        | 103-1966 | 1    | Adapter                      |          |            |      |                 |
| 7        | 103-1965 | 1    | Valve-Drain, Oil             |          |            |      |                 |
| 8        | 104-8137 | 1    | Harness-Wire                 |          |            |      |                 |
| 9        | 3296-29  | 4    | Nut-Lock, NI                 |          |            |      |                 |
| 10       | 32128-20 | 2    | Nut-HF                       |          |            |      |                 |
| 11       | 3255-8   | 1    | Washer-Lock                  |          |            |      |                 |
| 12       | 237-124  | 1    | Grommet                      |          |            |      |                 |
| 13       | 104-6373 | 1    | Tube-Retainer                |          |            |      |                 |
| 14       | 1-613235 | 4    | Washer                       |          |            |      |                 |
| 15       | 1-633630 | 2    | Grommet-Brake                |          |            |      |                 |
| 16       | 1-633545 | 2    | Spacer-Grommet               |          |            |      |                 |
| 17       | 1-633543 | 1    | Strap-Clutch/Brake           |          |            |      |                 |
| 18       | 322-11   | 1    | Screw-HH                     |          |            |      |                 |
| 19       | 3256-23  | 5    | Washer-Flat                  |          |            |      |                 |
| 20       | 322-7    | 5    | Screw-HH                     |          |            |      |                 |
| 22       | 3212-9   | 1    | Screw-HH                     |          |            |      |                 |
| 23       | 112843   | 1    | Washer                       |          |            |      |                 |
| 24       | 105-2635 | 1    | Clutch/Brake                 |          |            |      |                 |
| 25       | 105-0827 | 1    | Pulley-Drive                 |          |            |      |                 |

☆ Not serviced separately

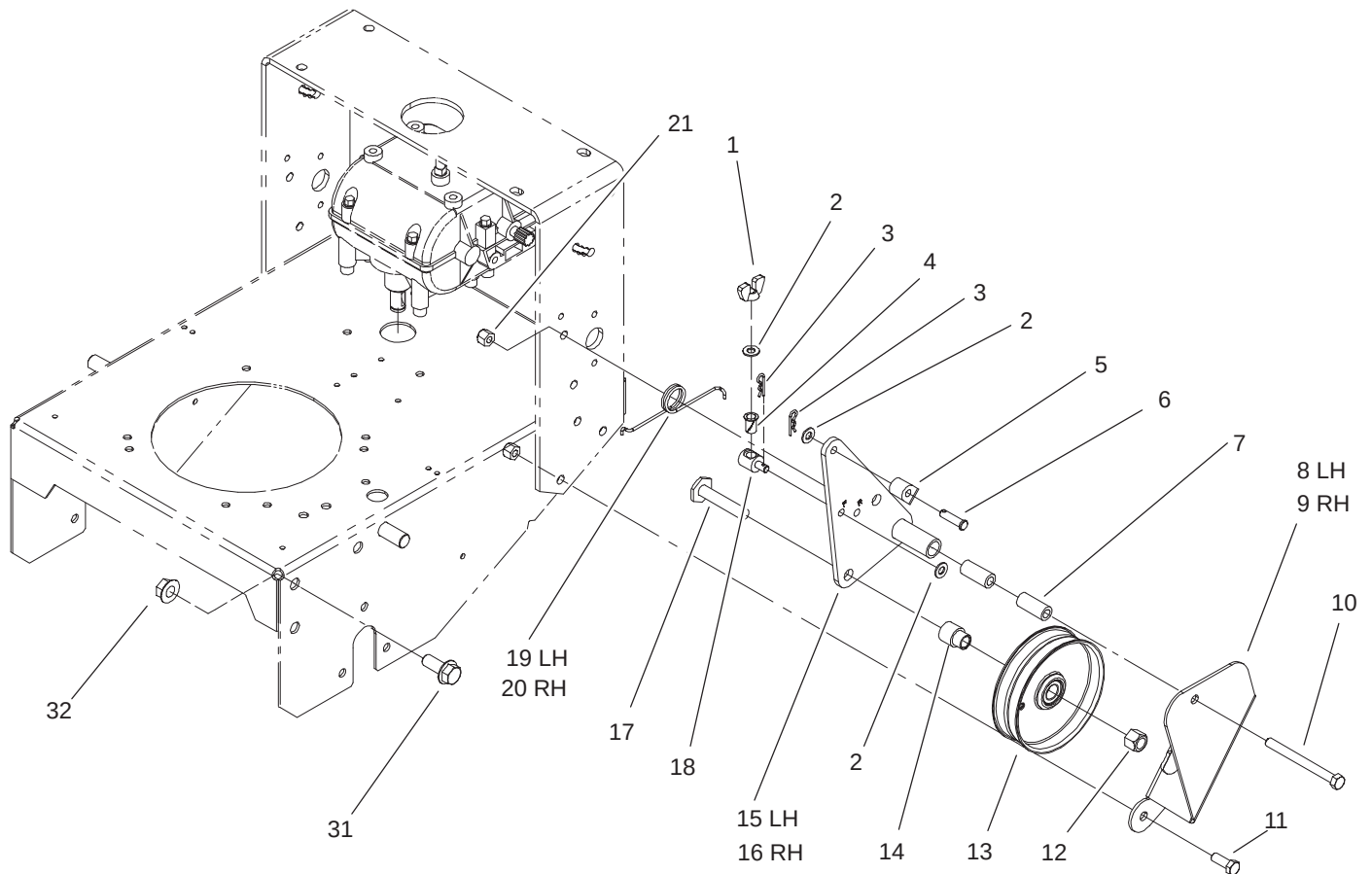


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# Fuel Tank Assembly

| Ref. No. | Part No.    | Qty. | Description            |
|----------|-------------|------|------------------------|
| 1        | 88-3980     | 1    | Gas Cap ASM            |
| 1:3      | 88-4010     | 1    | Gasket-Cap, Gas        |
| 2        | 106-0730    | 1    | Fuel Tank ASM          |
| 2:2      | 103-2605    | 1    | Fitting-Fuel, Bulkhead |
| 3        | 104-8121    | 2    | Stud-Threaded          |
| 4        | 106-5494    | 1    | Decal-Ground Speed     |
| 5        | 104-8102-01 | 1    | Plate-Gate, Shift      |
| 6        | 3256-23     | 4    | Washer-Flat            |
| 7        | 1-633349    | 2    | Spring-Tank, Fuel      |
| 8        | 3296-47     | 2    | Nut-Lock, NI           |
| 9        | 106-0546-01 | 1    | Gear Frame ASM         |
| 10       | 2412-98     | 4    | Clamp                  |
| 11       | 47-2982     | 1    | Hose-Fuel              |
| 12       | 1-603770    | 1    | Valve-Fuel             |
| 14       | 47-2980     | 1    | Hose-Fuel              |
| 15       | 322-4       | 2    | Screw-HH               |
| 16       | 3253-4      | 2    | Washer-Lock            |
| 17       | 95-2814     | 1    | Decal-Shut Off, Fuel   |
| 18       | 98-0776     | 1    | Decal-Caution          |

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

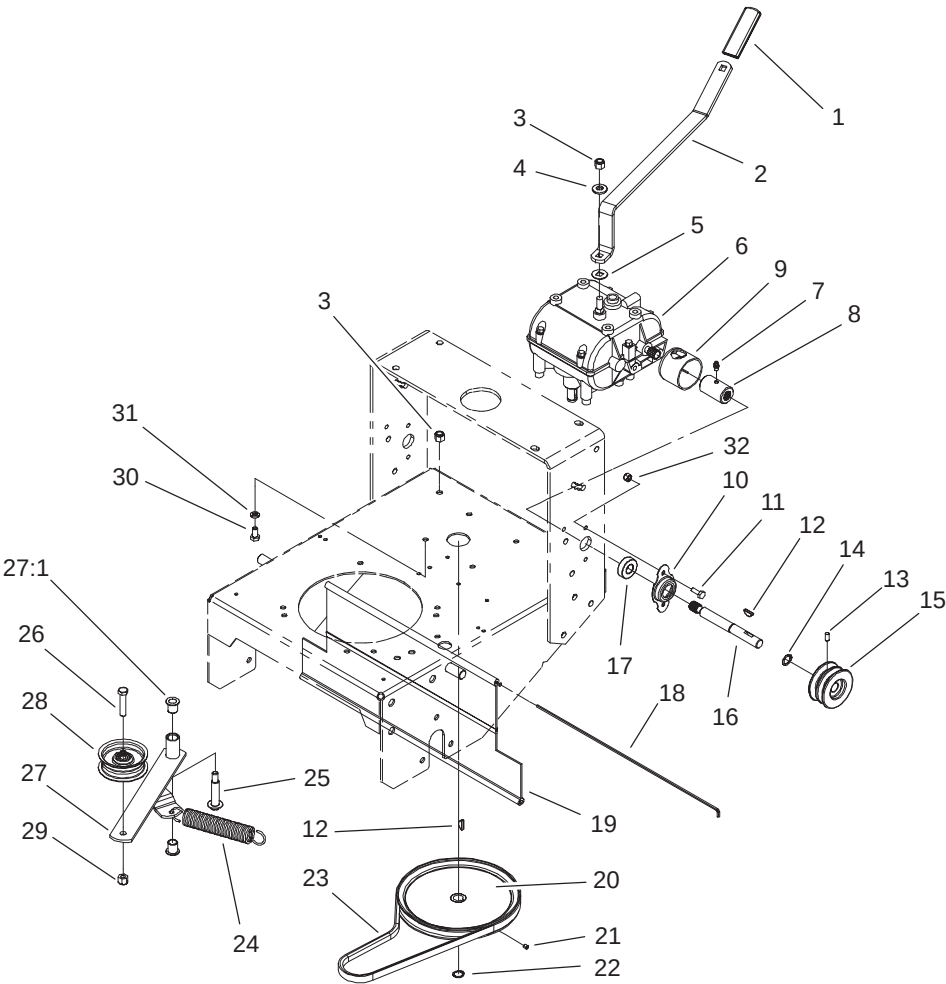


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## Lower Control Assembly

| Ref. No. | Part No.   | Qty. | Description         |
|----------|------------|------|---------------------|
| 1        | 32103-25   | 2    | Nut-Wing            |
| 2        | 3256-23    | 6    | Washer-Flat         |
| 3        | 3290-307   | 4    | Pin-Hair            |
| 4        | 52-2890    | 2    | Bushing-Nylon       |
| 5        | 74-0521    | 2    | Fitting-Rod         |
| 6        | 283-6      | 2    | Pin-Clevis          |
| 7        | 74-0040    | 4    | Spacer-Pivot, Idler |
| 8        | 67-6380-01 | 1    | Bracket-Support, LH |
| 9        | 67-6370-01 | 1    | Bracket-Support, RH |
| 10       | 323-16     | 2    | Screw-HH            |
| 11       | 323-6      | 4    | Screw-HH            |
| 12       | 3296-23    | 2    | Nut-Lock, NI        |
| 13       | 95-2800    | 2    | Pulley-Idler        |
| 14       | 95-2801    | 2    | Spacer-Pulley       |
| 15       | 74-0220-01 | 1    | Bracket-Idler, LH   |
| 16       | 74-0230-01 | 1    | Bracket-Idler, RH   |
| 17       | 51-4450    | 2    | Screw-Leveler       |
| 18       | 68-9690    | 2    | Fitting-Rod         |
| 19       | 51-4380    | 1    | Spring-Torsion, LH  |
| 20       | 51-4370    | 1    | Spring-Torsion, RH  |
| 21       | 3296-39    | 6    | Nut-Lock, NI        |
| 31       | 3234-32    | 6    | Screw-HHF           |
| 32       | 32128-23   | 6    | Nut-HF              |

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

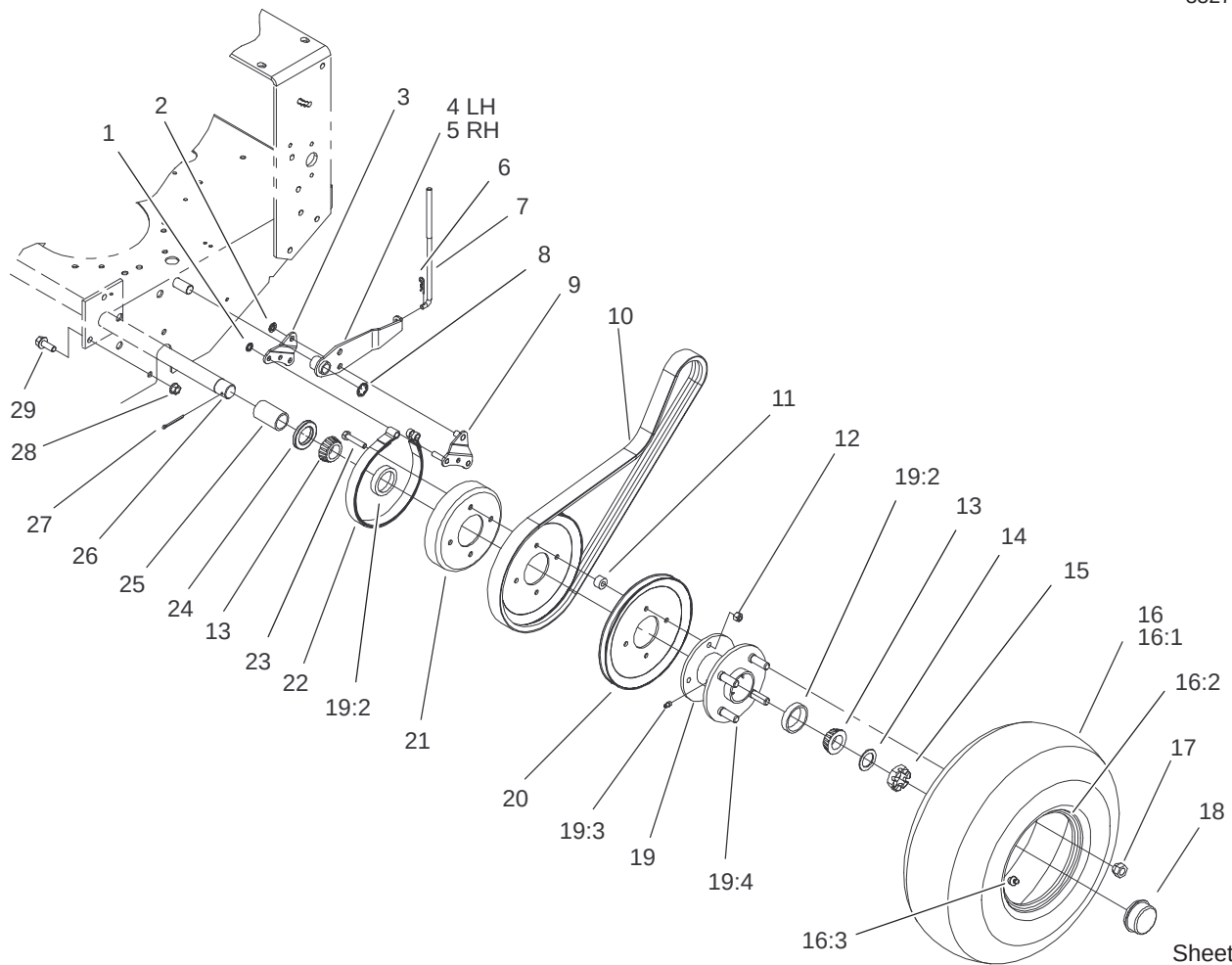


Sheet No.:7

Transmission Drive Assembly

| Ref. No. | Part No.   | Qty. | Description         |
|----------|------------|------|---------------------|
| 1        | 47-1970    | 1    | Grip                |
| 2        | 98-3274-03 | 1    | Lever-Shift         |
| 3        | 3296-6     | 2    | Nut-Lock, NI        |
| 4        | 98-5975    | 1    | Washer-Belleville   |
| 5        | 1-323379   | 1    | Washer              |
| 6        | 1-323500   | 1    | Transmission        |
| 7        | 302-5      | 2    | Fitting-Grease      |
| 8        | 1-323680   | 2    | Coupler             |
| 9        | 51-4220    | 2    | Guard-Coupler       |
| 10       | 1-323254   | 2    | Flange-Output       |
| 11       | 321-4      | 4    | Screw-HH            |
| 12       | 3257-5     | 3    | Key-Woodruff        |
| 13       | 3245-9     | 2    | Screw-Set           |
| 14       | 32151-62   | 2    | Ring-Retaining      |
| 15       | 105-2698   | 2    | Pulley-Transmission |
| 16       | 104-1102   | 2    | Shaft-Output        |
| 17       | 1-323252   | 2    | Bearing-Shaft       |
| 18       | 95-1529    | 1    | Rod-Shield          |
| 19       | 95-1526    | 1    | Shield-Trailing     |
| 20       | 105-5646   | 1    | Pulley-Driven       |
| 21       | 3245-1     | 1    | Screw-Set, HSH      |
| 22       | 32120-64   | 1    | Ring-Snap, External |
| 23       | 105-5668   | 1    | V-Belt              |
| 24       | 68-2190    | 1    | Spring              |
| 25       | 27-6230    | 1    | Bolt-Wheel          |
| 26       | 323-9      | 1    | Screw-HH            |

| Ref. No. | Part No. | Qty. | Description    |
|----------|----------|------|----------------|
| 27       | 16-7509  | 1    | Lever-Idler    |
| 27:1     | 256-155  | 2    | Bushing-Flange |
| 28       | 62-4540  | 1    | Pulley         |
| 29       | 3296-39  | 1    | Nut-Lock, NI   |
| 30       | 322-2    | 4    | Screw-HH       |
| 31       | 3253-4   | 4    | Washer-Lock    |
| 32       | 3296-42  | 4    | Nut-Lock, NI   |



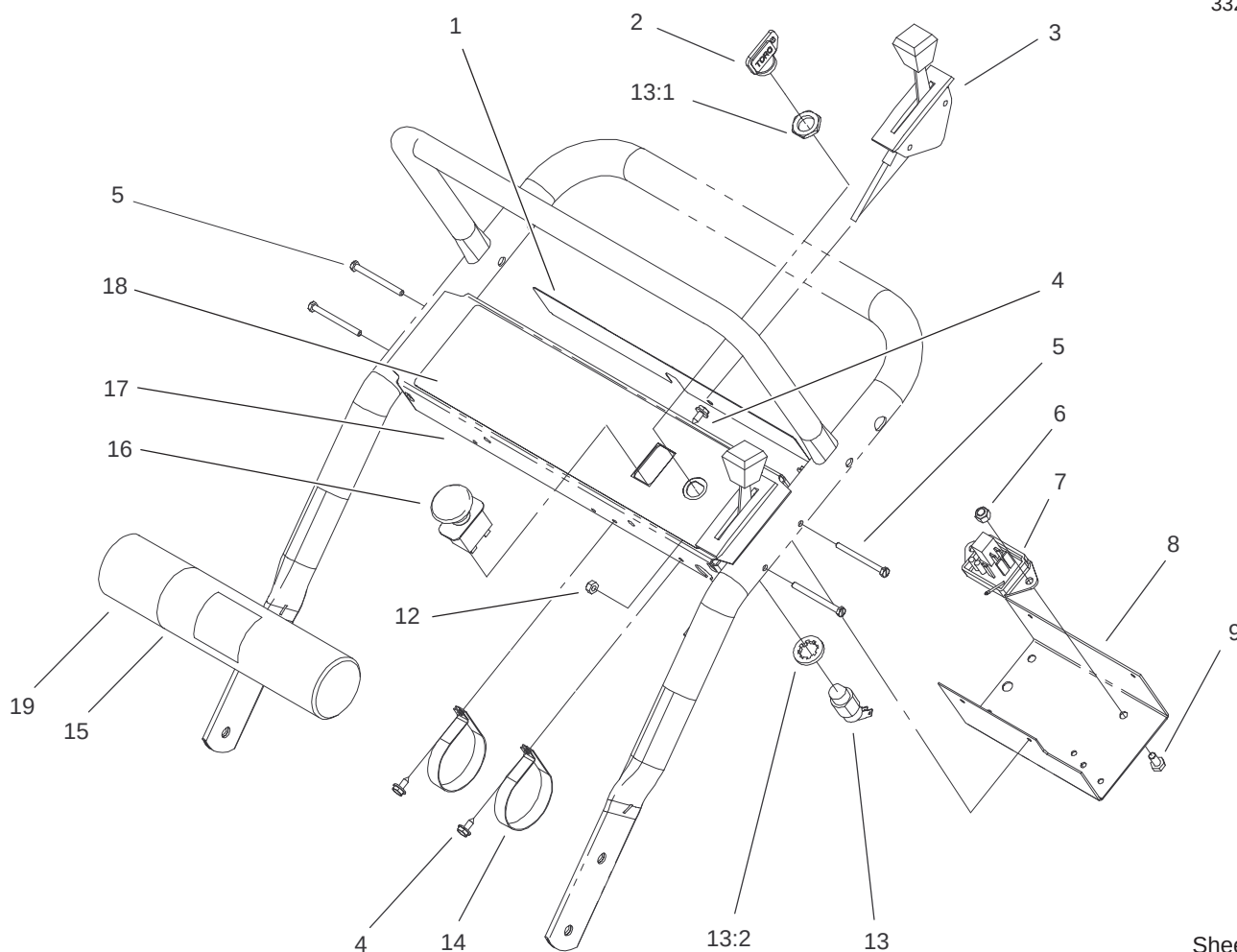
## Wheel Drive and Brake Assembly

| Ref. No. | Part No.    | Qty. | Description              |
|----------|-------------|------|--------------------------|
| 1        | 32151-72    | 4    | Ring-Retaining           |
| 2        | 32151-56    | 2    | Ring-Retaining, External |
| 3        | 105-4651-01 | 2    | Plate-Link, Brake        |
| 4        | 106-5537-01 | 2    | Brake Arm ASM            |
| 6        | 3290-307    | 2    | Pin-Hair                 |
| 7        | 51-4580     | 2    | Rod-Brake                |
| 8        | 32151-40    | 2    | Ring-Retaining           |
| 9        | 105-4652-01 | 2    | Brake Link ASM           |
| 10       | 51-4290     | 2    | V-Belt                   |
| 11       | 51-4170     | 8    | Spacer-Pulley            |
| 12       | 3296-29     | 8    | Nut-Lock, NI             |
| 13       | 254-94      | 4    | Bearing-Cone, Taper      |
| 14       | 1-523157    | 2    | Washer-Spacer            |
| 15       | 1-809082    | 2    | Nut-SHH                  |
| 16       | 104-6321    | 2    | Wheel And Tire ASM       |
| 16:1     | 104-6322    | 1    | Tire                     |
| 16:2     | 104-6323    | 1    | Wheel                    |
| 16:3     | 232-27      | 1    | Stem-Valve               |
| 17       | 242-50      | 8    | Nut-Lug                  |
| 18       | 241-119     | 2    | Cap-Dust                 |
| 19       | 1-413333    | 2    | Hub-Wheel ASM            |
| 19:2     | 254-72      | 2    | Bearing-Cup, Tapered     |
| 19:3     | 302-19      | 1    | Fitting-Grease           |
| 19:4     | 1-633926    | 4    | Stud-Wheel               |
| 20       | 51-4160-03  | 4    | Pulley-Wheel             |

| Ref. No. | Part No.    | Qty. | Description  |
|----------|-------------|------|--------------|
| 21       | 1-323261    | 2    | Drum-Brake   |
| 22       | 1-323262    | 2    | Band-Brake   |
| 23       | 322-8       | 8    | Screw-HH     |
| 24       | 1-543511    | 2    | Seal-Grease  |
| 25       | 104-1197    | 2    | Spacer-Wheel |
| 26       | 104-1196-01 | 1    | Axle ASM     |
| 27       | 1-806800    | 2    | Pin-Cotter   |
| 28       | 32128-21    | 6    | Nut-HF       |
| 29       | 3234-11     | 6    | Screw-HHF    |





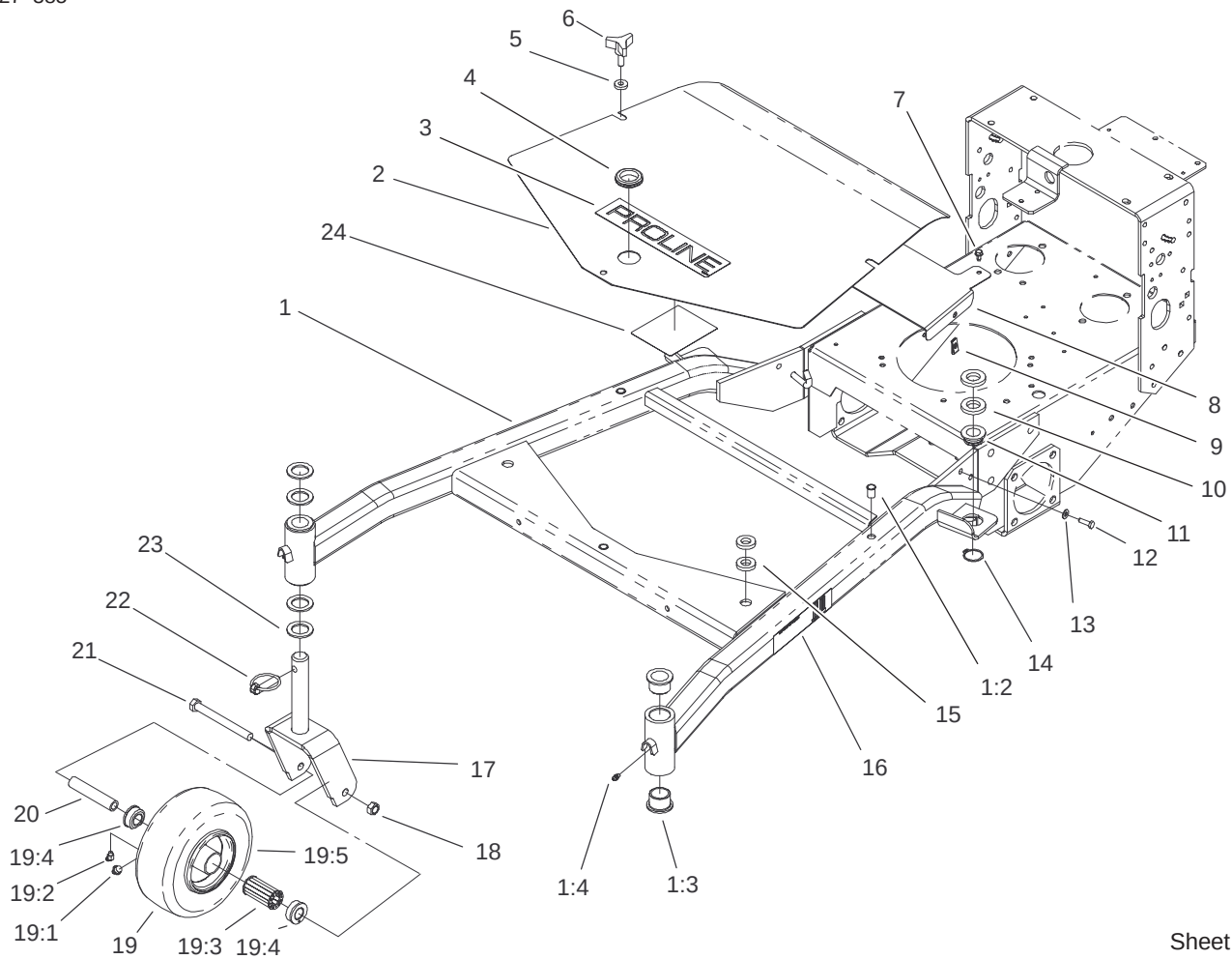


Sheet No.:10

## Control Panel Assembly

| Ref. No. | Part No.    | Qty. | Description         |
|----------|-------------|------|---------------------|
| 1        | 105-0884    | 1    | Decal-Danger        |
| 2        | 63-8360     | 2    | Key-Ignition        |
| 3        | 100-6450    | 1    | Control-Throttle    |
| 4        | 32104-76    | 4    | Screw               |
| 5        | 32105-14    | 4    | Screw               |
| 6        | 3296-42     | 1    | Nut-Lock, NI        |
| 7        | 104-8141    | 1    | Module-Delay        |
| 8        | 93-1187-03  | 1    | Panel-Bottom        |
| 9        | 321-2       | 1    | Screw-HH            |
| 12       | 3296-2      | 4    | Nut-Lock            |
| 13       | 29-5560     | 1    | Switch-On/Off       |
| 13:1     | 218-461     | 1    | Nut-HH              |
| 13:2     | 3254-5      | 1    | Washer-Tooth        |
| 14       | 2412-120    | 2    | R-Clamp             |
| 15       | 104-7050    | 1    | Housing-Manual      |
| 16       | 104-8140    | 1    | Switch-PTO          |
| 17       | 104-8177-03 | 1    | Panel-Control       |
| 18       | 106-5499    | 1    | Decal-Control Panel |
| 19       | 104-7048    | 1    | Cap-Housing         |

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

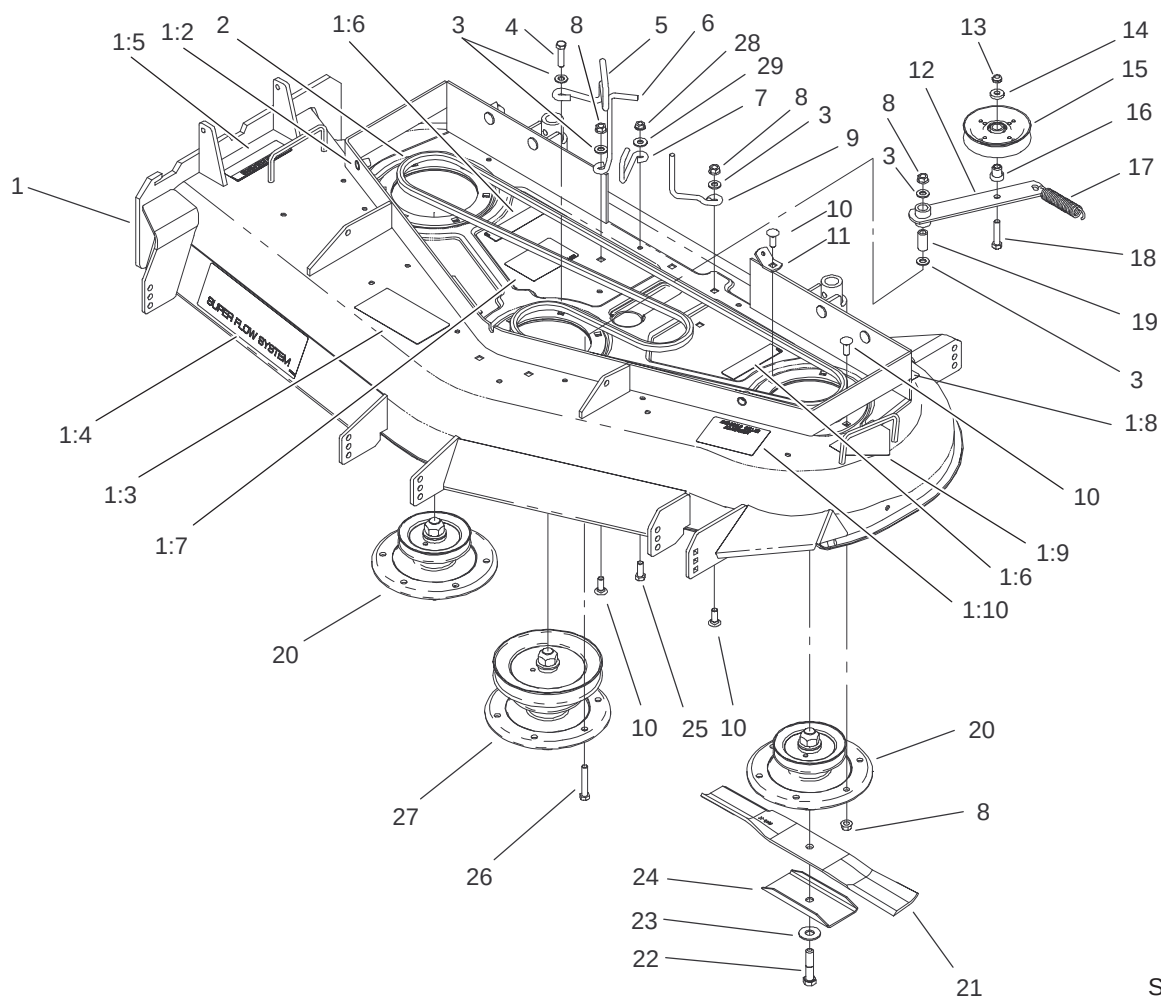


Sheet No.:2

## Carrier Frame Assembly

| Ref. No. | Part No.    | Qty. | Description          |
|----------|-------------|------|----------------------|
| 1        | 106-0708    | 1    | Carrier Frame ASM    |
| 1:2      | 32148-9     | 3    | Insert-Nut           |
| 1:3      | 94-1291     | 4    | Bushing-Special      |
| 1:4      | 302-5       | 2    | Fitting-Grease       |
| 2        | 106-3360-01 | 1    | Cover-Carrier Frame  |
| 3        | 106-0719    | 1    | Decal-Proline        |
| 4        | 240-3       | 1    | Grommet-Rubber       |
| 5        | 106-0565    | 3    | Washer-Rubber        |
| 6        | 104-8587    | 3    | Knob                 |
| 7        | 12-3270     | 2    | Screw                |
| 8        | 106-3361-01 | 1    | Shield-Heat          |
| 9        | 3290-199    | 2    | Nut-Speed            |
| 10       | 104-1105    | 4    | Spacer-Support, Deck |
| 11       | 1-513336    | 2    | Bushing-Deck         |
| 12       | 321-5       | 2    | Screw-HH             |
| 13       | 3256-22     | 2    | Washer-Flat          |
| 14       | 32120-33    | 2    | Ring-Retaining       |
| 15       | 105-0842    | 4    | Spacer               |
| 16       | 106-0635    | 2    | Decal-HOC            |
| 17       | 105-3159-01 | 2    | Castor Fork ASM      |
| 18       | 32153-5     | 2    | Nut-Lock             |
| 19       | 100-6451    | 2    | Castor Wheel ASM     |
| 19:1     | 232-27      | 1    | Stem-Valve           |
| 19:2     | 302-11      | 1    | Fitting-Lube, 45°    |
| 19:3     | 83-4740     | 1    | Bearing              |
| 19:4     | 62-5580     | 2    | Bearing-Outside      |

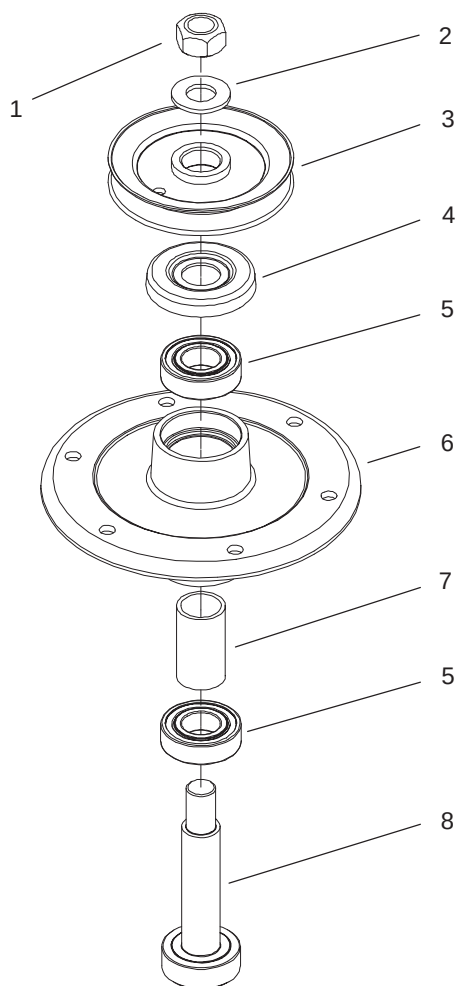
| Ref. No. | Part No. | Qty. | Description             |
|----------|----------|------|-------------------------|
| 19:5     | 100-6452 | 1    | Tire-Tubeless           |
| 20       | 100-6453 | 2    | Bushing-Spanner         |
| 21       | 325-19   | 2    | Screw-HH                |
| 22       | 283-71   | 2    | Pin-Lynch               |
| 23       | 3-6781   | 8    | Washer-Thrust           |
| 24       | 106-5503 | 1    | Decal-Service, Hydro Tb |
| 24       | 106-5505 | 1    | Decal-Service, Gear Tb  |
| 24       | 106-5511 | 1    | Decal-Service, Gear Pg  |
| 24       | 106-5513 | 1    | Decal-Service, Hydro Pg |



Sheet No.:3

## Spindle, Pulley and Belt Assembly

| Ref. No. | Part No. | Qty. | Description         | Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|----------|----------|------|---------------------|
| 1        | 106-0619 | 1    | Deck ASM            | 18       | 3211-8   | 1    | Screw-HH            |
| 1:2      | 32148-10 | 2    | Insert-Threaded     | 19       | 51-3640  | 1    | Sleeve              |
| 1:3      | 66-1340  | 1    | Decal-Danger        | 20       | 106-0787 | 2    | Spindle Housing ASM |
| 1:4      | 106-0705 | 1    | Decal-Sfs, 52"      | 21       | 27-0990  | 3    | Blade               |
| 1:5      | 104-8569 | 1    | Decal-Warning       | 22       | 44-2200  | 3    | Screw-Blade         |
| 1:6      | 67-5360  | 3    | Decal-Danger        | 23       | 3256-6   | 3    | Washer-Flat         |
| 1:7      | 104-8186 | 1    | Decal-Routing, Belt | 24       | 92-9820  | 3    | Stiffener-Blade     |
| 1:8      | 68-8340  | 1    | Decal-Torque        | 25       | 323-6    | 1    | Screw-HH            |
| 1:9      | 43-8480  | 1    | Decal-Danger        | 26       | 323-11   | 1    | Screw-HH            |
| 1:10     | 106-5532 | 1    | Decal-Antiscalp     | 27       | 106-0785 | 1    | Spindle Housing ASM |
| 2        | 104-6397 | 1    | V-Belt              | 28       | 32128-25 | 1    | Nut-Flange          |
| 3        | 3256-24  | 5    | Washer-Flat         | 29       | 3256-3   | 1    | Washer-Flat         |
| 4        | 323-8    | 1    | Screw-HH            |          |          |      |                     |
| 5        | 105-0850 | 1    | Guide-Belt          |          |          |      |                     |
| 6        | 98-5980  | 1    | Guide-Belt          |          |          |      |                     |
| 7        | 104-6396 | 1    | Guide-Belt          |          |          |      |                     |
| 8        | 32128-21 | 20   | Nut-HF              |          |          |      |                     |
| 9        | 52-4780  | 1    | Rod-Belt            |          |          |      |                     |
| 10       | 3231-22  | 18   | Screw-CARR          |          |          |      |                     |
| 11       | 104-6374 | 1    | Plate-Spring        |          |          |      |                     |
| 12       | 104-6375 | 1    | Idler Arm ASM       |          |          |      |                     |
| 13       | 3296-5   | 1    | Nut-Lock, NI        |          |          |      |                     |
| 14       | 7-0081   | 1    | Washer-Flat         |          |          |      |                     |
| 15       | 65-5940  | 1    | Pulley-Idler        |          |          |      |                     |
| 16       | 104-6379 | 1    | Bushing-Pulley      |          |          |      |                     |
| 17       | 51-3650  | 1    | Spring-Extension    |          |          |      |                     |

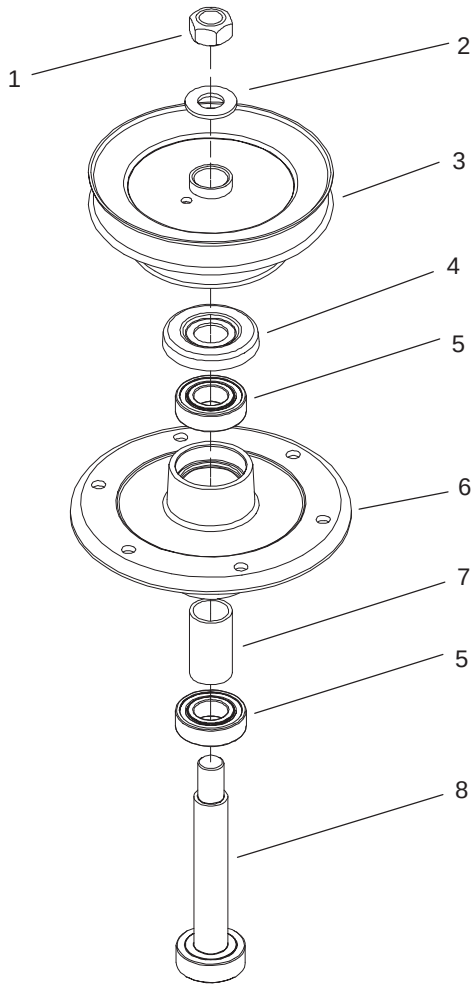


Sheet No.:A1

# Spindle Assembly No. 106-0787

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 1        | 3219-7   | 1    | Nut-Hex            |
| 2        | 7-4150   | 1    | Washer             |
| 3        | 104-1118 | 1    | Pulley And Hub ASM |
| 4        | 106-0873 | 1    | Shield-Bearing     |
| 5        | 104-6325 | 2    | Bearing            |
| 6        | 104-6307 | 1    | Housing-Spindle    |
| 7        | 106-0795 | 1    | Spacer-Bearing     |
| 8        | 106-0782 | 1    | Shaft-Spindle      |

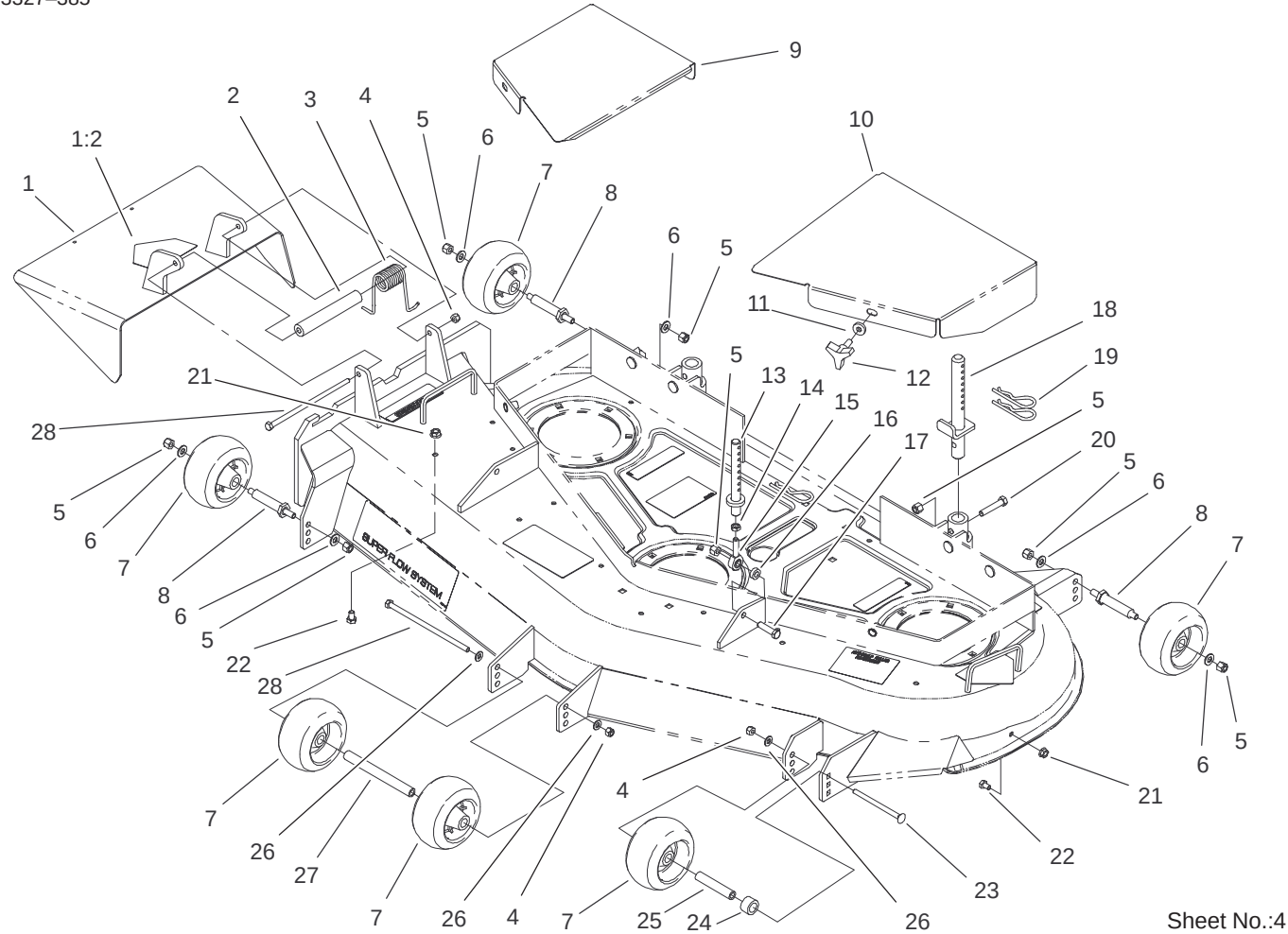
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:A2

**Spindle Assembly No. 106-0785**

| Ref. No. | Part No. | Qty. | Description        | Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|--------------------|----------|----------|------|-------------|
| 1        | 3219-7   | 1    | Nut-Hex            |          |          |      |             |
| 2        | 7-4150   | 1    | Washer             |          |          |      |             |
| 3        | 104-1117 | 1    | Pulley And Hub ASM |          |          |      |             |
| 4        | 106-0873 | 1    | Shield-Bearing     |          |          |      |             |
| 5        | 104-6325 | 2    | Bearing            |          |          |      |             |
| 6        | 104-6307 | 1    | Housing-Spindle    |          |          |      |             |
| 7        | 106-0795 | 1    | Spacer-Bearing     |          |          |      |             |
| 8        | 106-0781 | 1    | Shaft-Spindle      |          |          |      |             |

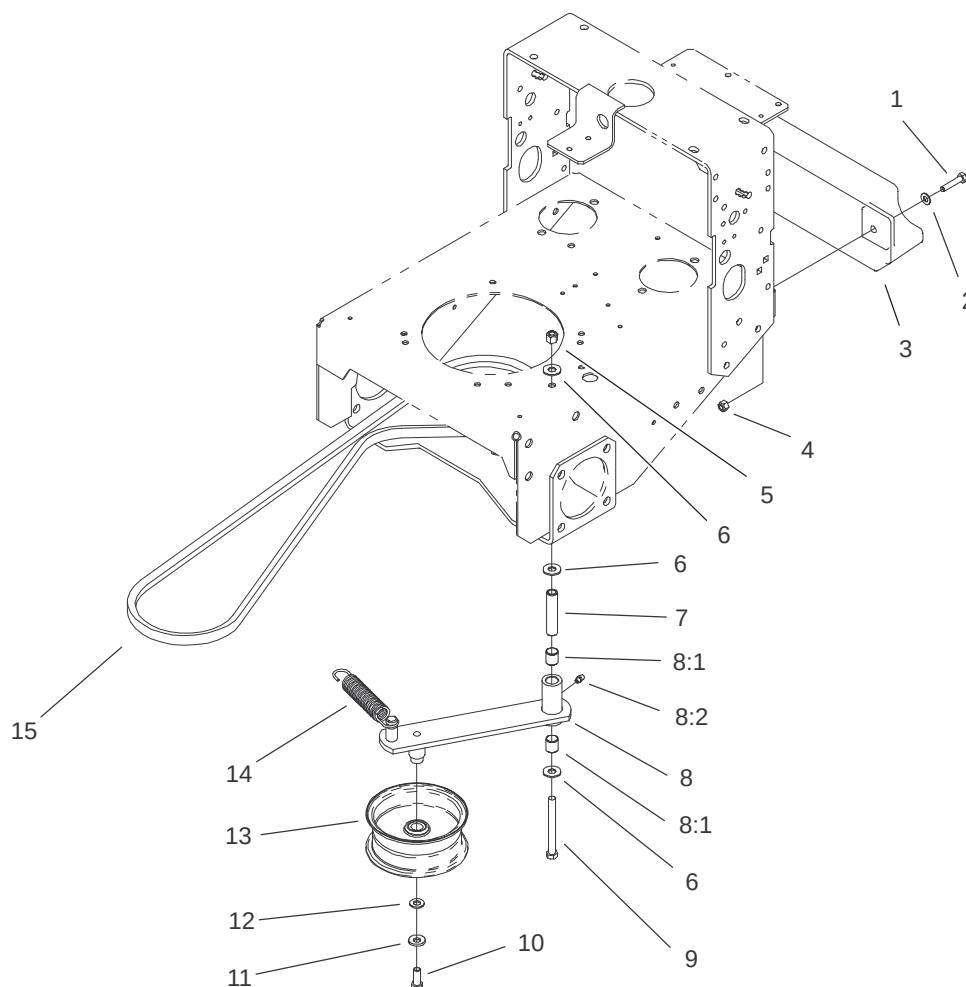


Sheet No.:4

Deck Assembly

| Ref. No. | Part No.    | Qty. | Description    |
|----------|-------------|------|----------------|
| 1        | 105-4623    | 1    | Deflector ASM  |
| 1:2      | 93-1122     | 1    | Decal-Danger   |
| 2        | 105-4622    | 1    | Spacer         |
| 3        | 104-8554    | 1    | Spring-Torsion |
| 4        | 3296-29     | 3    | Nut-Lock, NI   |
| 5        | 3296-39     | 10   | Nut-Lock, NI   |
| 6        | 3256-24     | 6    | Washer-Flat    |
| 7        | 68-2730     | 6    | Wheel-Gage     |
| 8        | 99-2842     | 3    | Spacer         |
| 9        | 106-3363-01 | 1    | Cover-Belt, RH |
| 10       | 106-3362-01 | 1    | Cover-Belt, LH |
| 11       | 106-0565    | 2    | Washer-Rubber  |
| 12       | 104-8587    | 2    | Knob           |
| 13       | 106-0684    | 2    | Front Pin ASM  |
| 14       | 3220-3      | 2    | Nut-Jam        |
| 15       | 1-613204    | 2    | Balljoint      |
| 16       | 104-1156    | 2    | Spacer         |
| 17       | 323-8       | 2    | Screw-HH       |
| 18       | 106-3365    | 2    | Rear Pin ASM   |
| 19       | 3290-256    | 6    | Pin-Hair       |
| 20       | 323-10      | 2    | Screw-HH       |
| 21       | 32128-20    | 6    | Nut-HF         |
| 22       | 322-1       | 6    | Screw-HH       |
| 23       | 3230-30     | 1    | Screw-CARR     |
| 24       | 106-0563    | 1    | Spacer-Wheel   |
| 25       | 106-0545    | 1    | Bushing-Roller |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
| 26       | 3256-23  | 3    | Washer-Flat |
| 27       | 98-5967  | 1    | Spacer      |
| 28       | 322-50   | 2    | Screw-HH    |



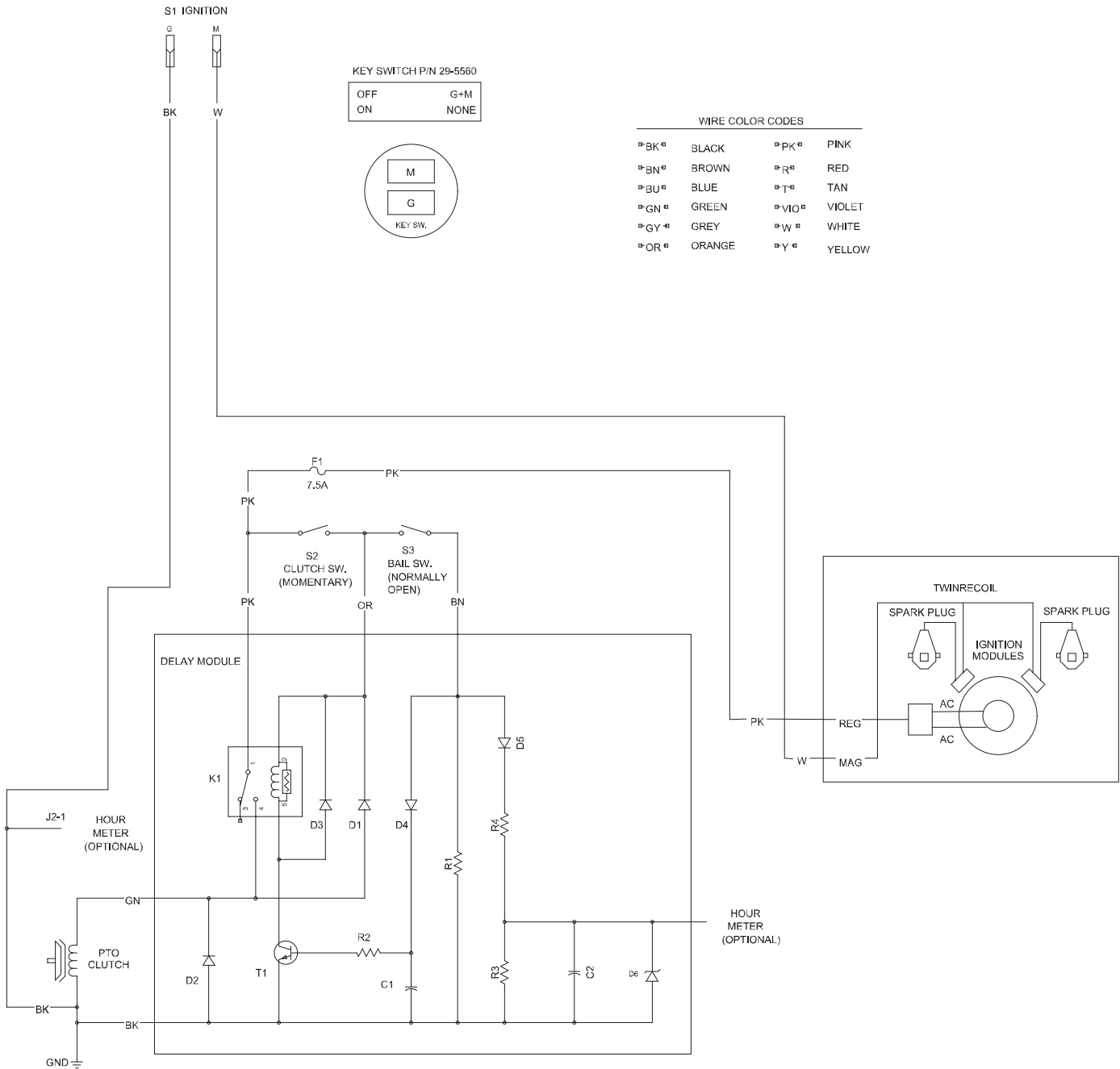
Sheet No.:5

## Drive Belt and Tensioner Assembly

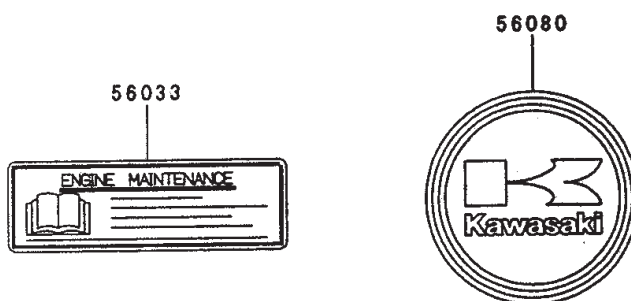
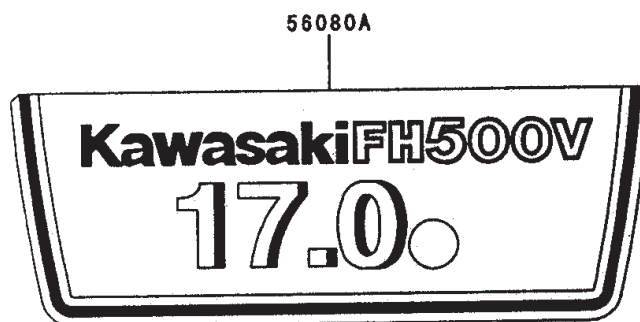
| Ref. No. | Part No.    | Qty. | Description       |
|----------|-------------|------|-------------------|
| 1        | 322-7       | 2    | Screw-HH          |
| 2        | 3256-23     | 2    | Washer-Flat       |
| 3        | 105-3173-01 | 1    | Weight-Rear       |
| 4        | 3296-29     | 2    | Nut-Lock, NI      |
| 5        | 3296-39     | 1    | Nut-Lock, NI      |
| 6        | 1-809107    | 3    | Washer-Hardened   |
| 7        | 104-6377    | 1    | Tube-Idler        |
| 8        | 106-0734    | 1    | Idler Arm ASM     |
| 8:1      | 1-513034    | 2    | Sleeve-Bearing    |
| 8:2      | 302-5       | 1    | Fitting-Grease    |
| 9        | 323-42      | 1    | Screw-HH          |
| 10       | 323-6       | 1    | Screw-HH          |
| 11       | 98-5975     | 1    | Washer-Belleville |
| 12       | 3256-24     | 1    | Washer-Flat       |
| 13       | 1-413099    | 1    | Pulley-Idler      |
| 14       | 105-8443    | 1    | Spring-Extension  |
| 15       | 106-0632    | 1    | V-Belt, PTO       |

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

# Electrical Schematic







## Decals

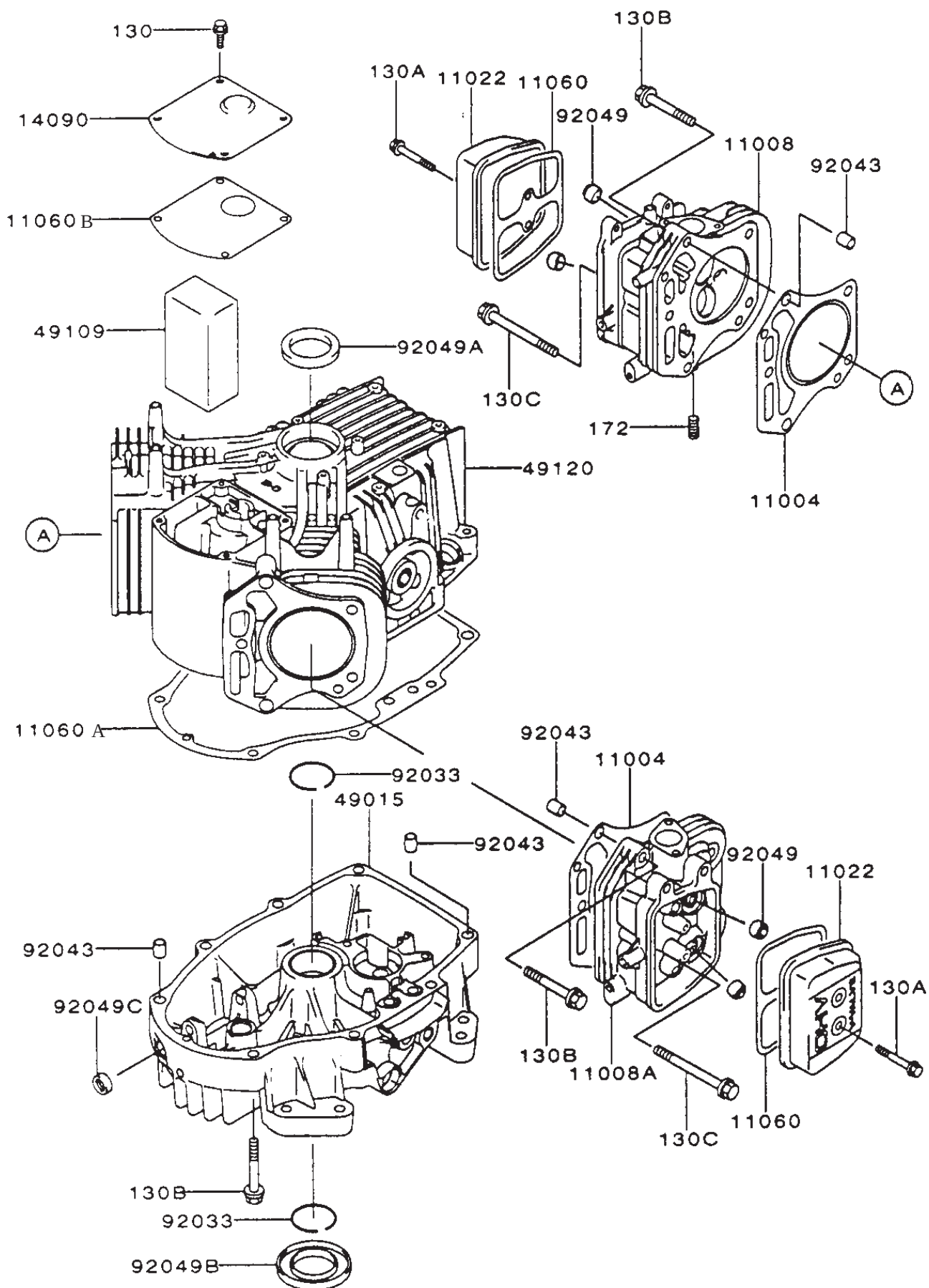
### Kawasaki FH500V-AS29

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

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

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# Cylinder / Crankcase Assembly Kawasaki FH500V-AS29



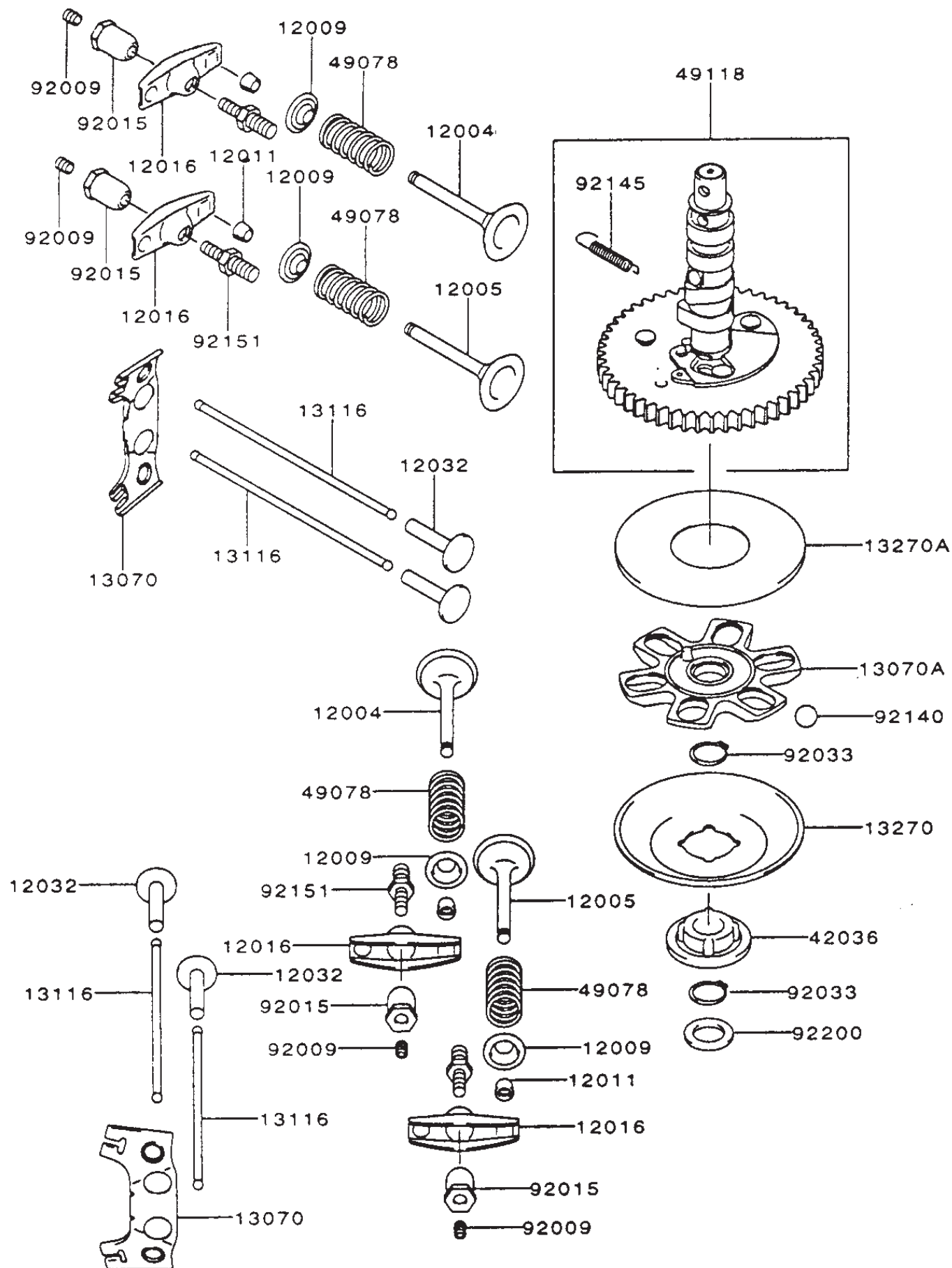
# Cylinder / Crankcase Assembly (Continued)

## Kawasaki FH500V-AS29

| Ref. No. | Part No.   | Qty. | Description                 | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|-----------------------------|----------|----------|------|-------------|
| 11004    | 11004-7001 | 2    | Gasket-Head                 |          |          |      |             |
| 11008    | 11008-7001 | 1    | Head-Comp-Cylinder<br>No. 1 |          |          |      |             |
| 11008A   | 11008-7002 | 1    | Head-Comp-Cylinder<br>No. 2 |          |          |      |             |
| 11022    | 11022-7001 | 2    | Case-Rocker                 |          |          |      |             |
| 11060    | 11060-7001 | 2    | Gasket, Rocker Case         |          |          |      |             |
| 11060A   | 11060-7008 | 1    | Gasket, Crankcase<br>Cover  |          |          |      |             |
| 11060B   | 11060-7015 | 1    | Gasket, Breather            |          |          |      |             |
| 14090    | 14090-7001 | 1    | Cover, Breather             |          |          |      |             |
| 49015    | 49015-6215 | 1    | Cover-Crankcase             |          |          |      |             |
| 49109    | 49109-7002 | 1    | Element-Breather            |          |          |      |             |
| 49120    | 49120-6119 | 1    | Crankcase-Comp              |          |          |      |             |
| 92033    | 92033-7003 | 2    | 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                |          |          |      |             |
| 172      | 172G0818   | 4    | Bolt-Stud                   |          |          |      |             |

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# Valve / Camshaft Assembly Kawasaki FH500V-AS29



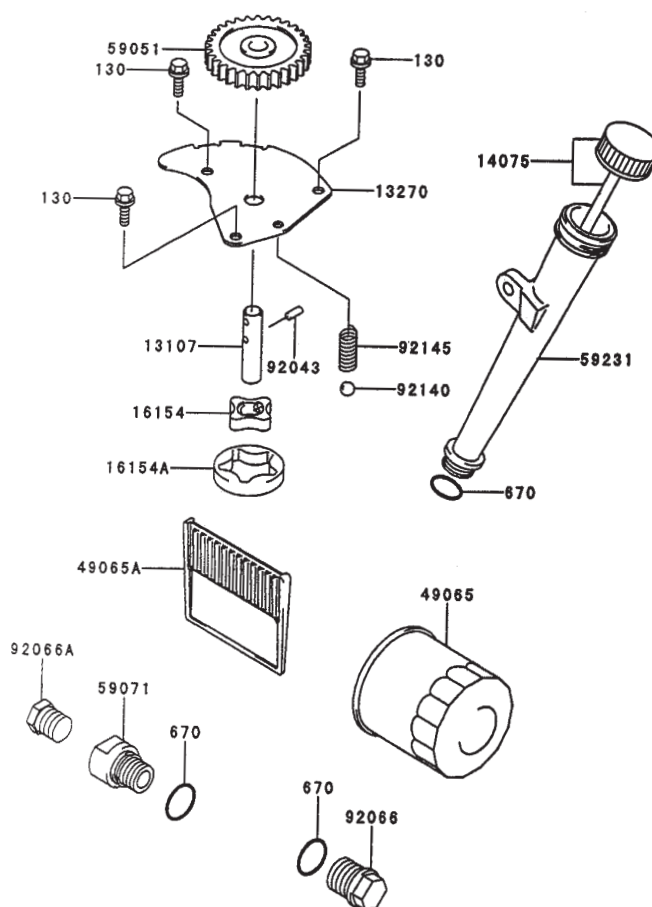
## Valve / Camshaft Assembly (Continued)

### Kawasaki FH500V-AS29

| Ref. No. | Part No.   | Qty. | Description           | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|-----------------------|----------|----------|------|-------------|
| 12004    | 12004-7001 | 2    | Valve-Intake          |          |          |      |             |
| 12005    | 12005-7001 | 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   | 13070-7002 | 1    | Guide                 |          |          |      |             |
| 13116    | 13116-2057 | 4    | Rod-Push              |          |          |      |             |
| 13270    | 13270-7002 | 1    | Plate                 |          |          |      |             |
| 13270A   | 13270-7003 | 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                |          |          |      |             |
| 92151    | 92151-7001 | 4    | Bolt                  |          |          |      |             |
| 92200    | 92200-7001 | 1    | Washer                |          |          |      |             |

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| Description |  |
|-------------|--|
|             |  |



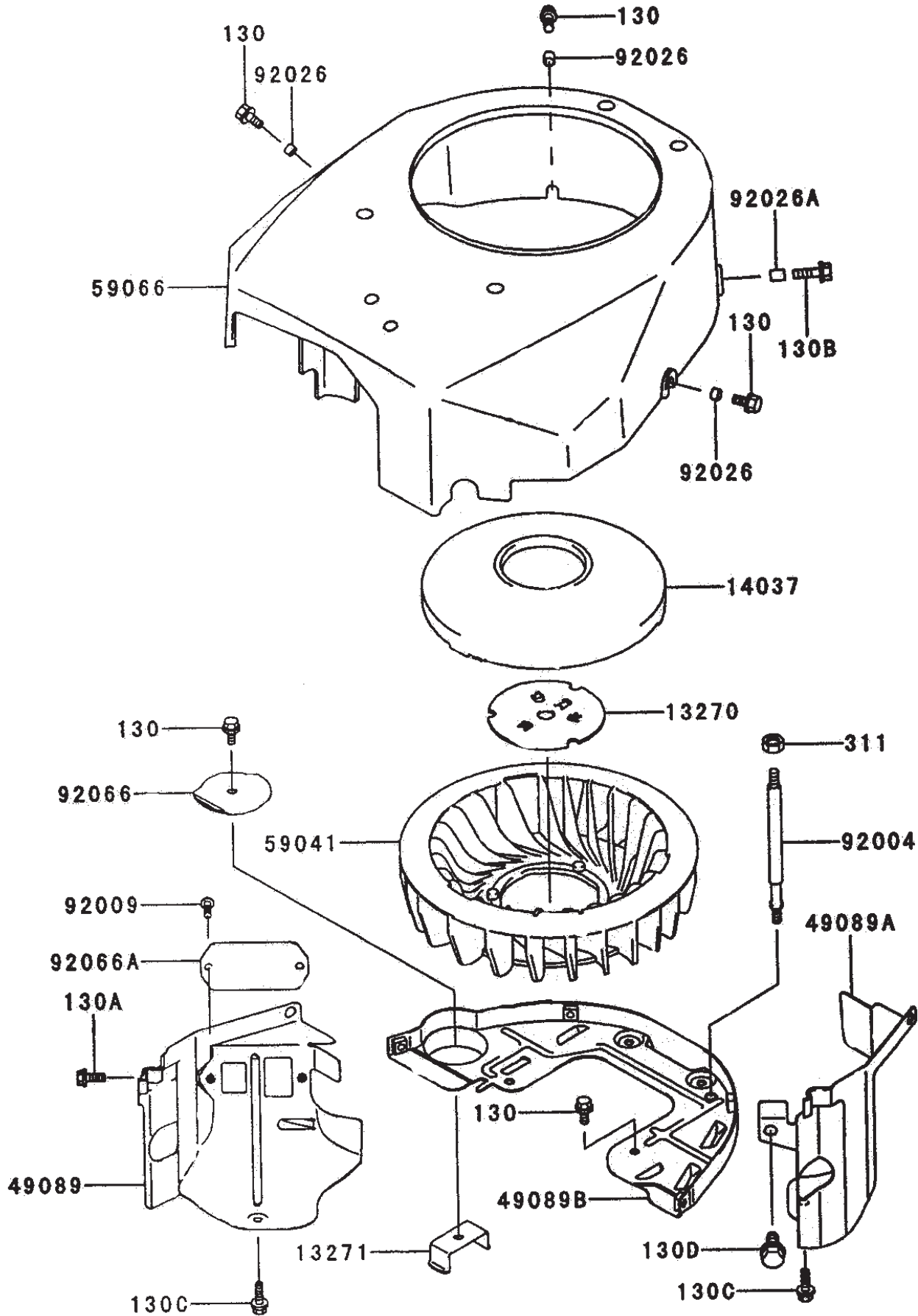
# Lubrication Equipment Assembly

## Kawasaki FH500V-AS29

| Ref. No. | Part No.   | Qty. | Description     |
|----------|------------|------|-----------------|
| 13107    | 13107-2099 | 1    | Shaft, Oil Pump |
| 13270    | 13270-7004 | 1    | Plate           |
| 14075    | 14075-7001 | 1    | Cap-Assy        |
| 16154    | 16154-2053 | 1    | Rotor-Pump, Out |
| 16154A   | 16154-2054 | 1    | Rotor-Pump, Out |
| 49065    | 49065-2078 | 1    | Filter-Oil      |
| 49065A   | 49065-7001 | 1    | Filter-Oil      |
| 59051    | 59051-7004 | 1    | Gear-Spur       |
| 59071    | 59071-7004 | 1    | Joint           |
| 59231    | 59231-7001 | 1    | Filler          |
| 92043    | 92043-7003 | 1    | Pin             |
| 92066    | 92066-7003 | 1    | Plug            |
| 92066A   | 92066-7006 | 1    | Plug            |
| 92140    | 92140-7003 | 1    | Ball            |
| 92145    | 92145-7002 | 1    | Spring          |
| 130      | 130B0612   | 3    | Bolt-Flanged    |
| 670      | 670D2016   | 3    | O-Ring          |

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# Cooling Equipment Assembly Kawasaki FH500V-AS29





## Cooling Equipment Assembly (Continued)

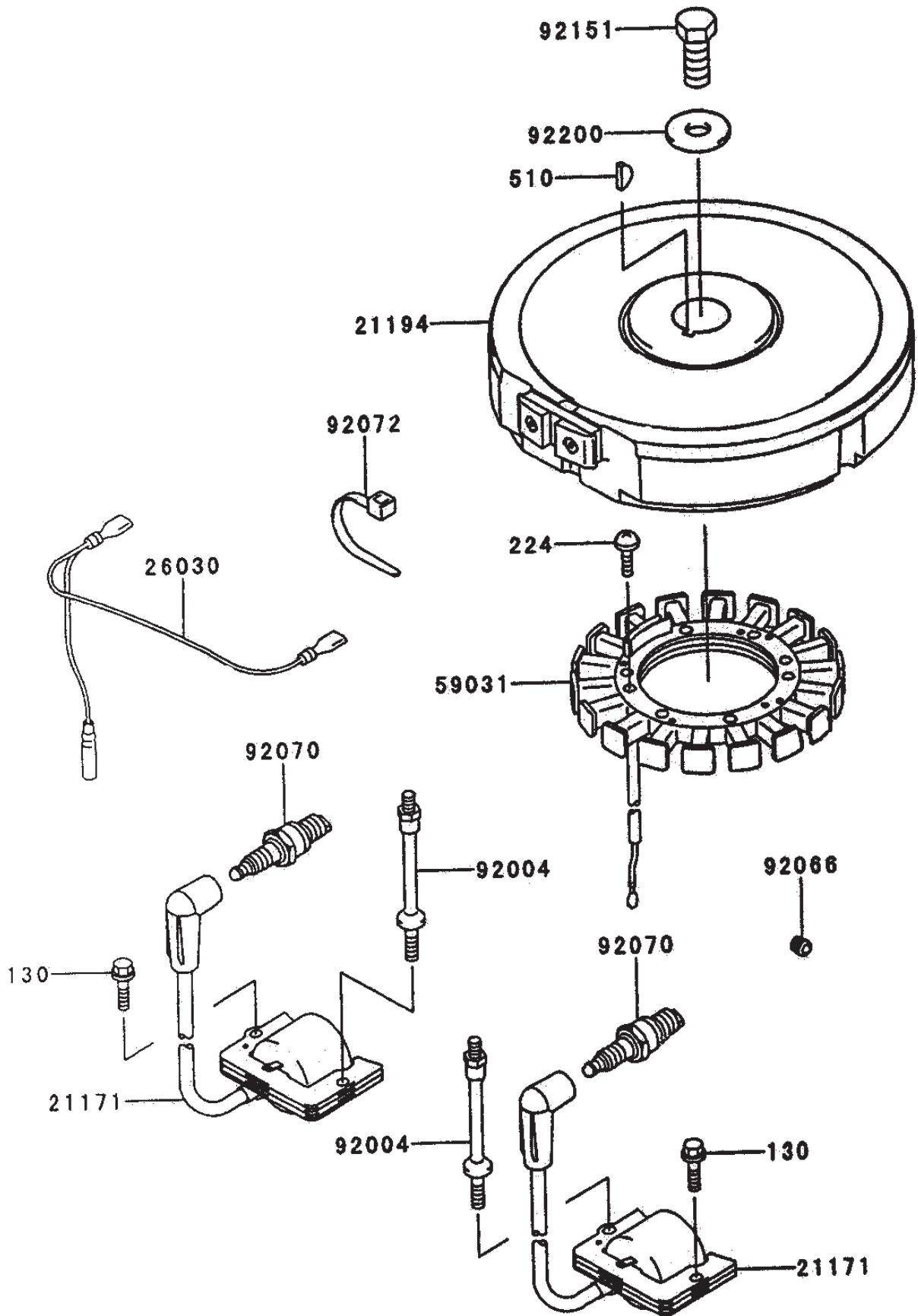
### Kawasaki FH500V-AS29

| Ref. No. | Part No.   | Qty. | Description          | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|----------------------|----------|----------|------|-------------|
| 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         |          |          |      |             |
| 13270    | 13270-7007 | 1    | Plate                |          |          |      |             |
| 13271    | 13271-7002 | 1    | Plate                |          |          |      |             |
| 14037    | 14037-7002 | 1    | Screen               |          |          |      |             |
| 311      | 311B0600   | 2    | Nut-Hex              |          |          |      |             |
| 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   | 92066-7004 | 1    | Plug                 |          |          |      |             |

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# Electrical Equipment Assembly

## Kawasaki FH500V-AS29



# Electrical Equipment Assembly (Continued)

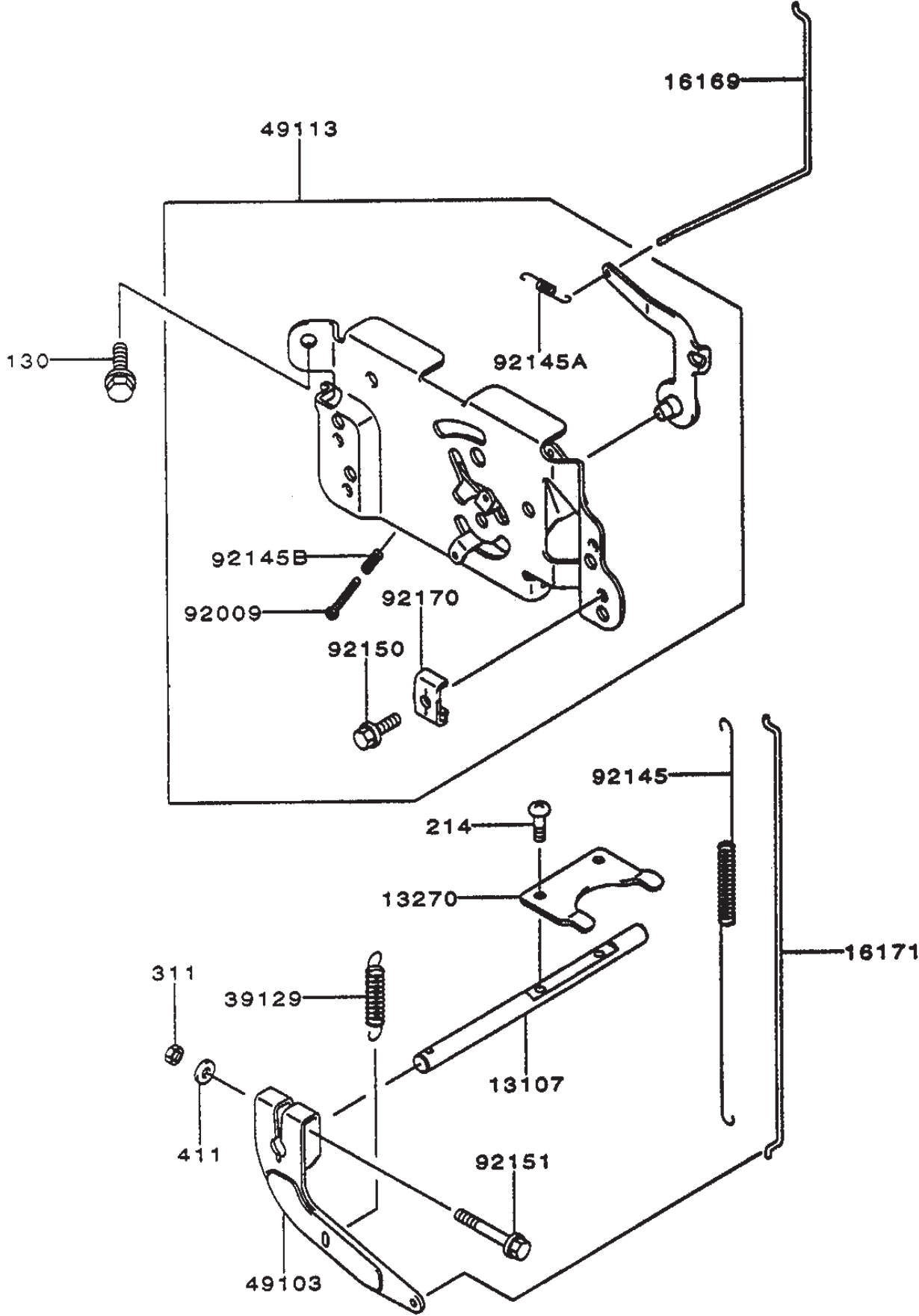
## Kawasaki FH500V-AS29

| Ref. No. | Part No.   | Qty. | Description        | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|--------------------|----------|----------|------|-------------|
| 21171    | 21171-7001 | 2    | Coil-Assy-Ignition |          |          |      |             |
| 21194    | 21193-7001 | 1    | Flywheel-Assy      |          |          |      |             |
| 26030    | 26030-7001 | 1    | Harness            |          |          |      |             |
| 59031    | 59031-7002 | 1    | Coil-Charging      |          |          |      |             |
| 92004    | 92004-2147 | 2    | Stud               |          |          |      |             |
| 92066    | 92066-7002 | 1    | Plug               |          |          |      |             |
| 92070    | 92070-7001 | 2    | Plug-Spark (RCJ8Y) |          |          |      |             |
| 92072    | 92072-7001 | 2    | Band               |          |          |      |             |
| 92151    | 92151-2097 | 1    | Bolt, 12x30        |          |          |      |             |
| 92220    | 92220-7002 | 1    | Washer             |          |          |      |             |
| 130      | 130B0620   | 2    | Bolt-Flanged       |          |          |      |             |
| 224      | 224B0520   | 4    | Screw-Pan-WP-Cros  |          |          |      |             |
| 510      | 510A5100   | 1    | Key-Woodruff       |          |          |      |             |

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# Control Equipment Assembly

## Kawasaki FH500V-AS29



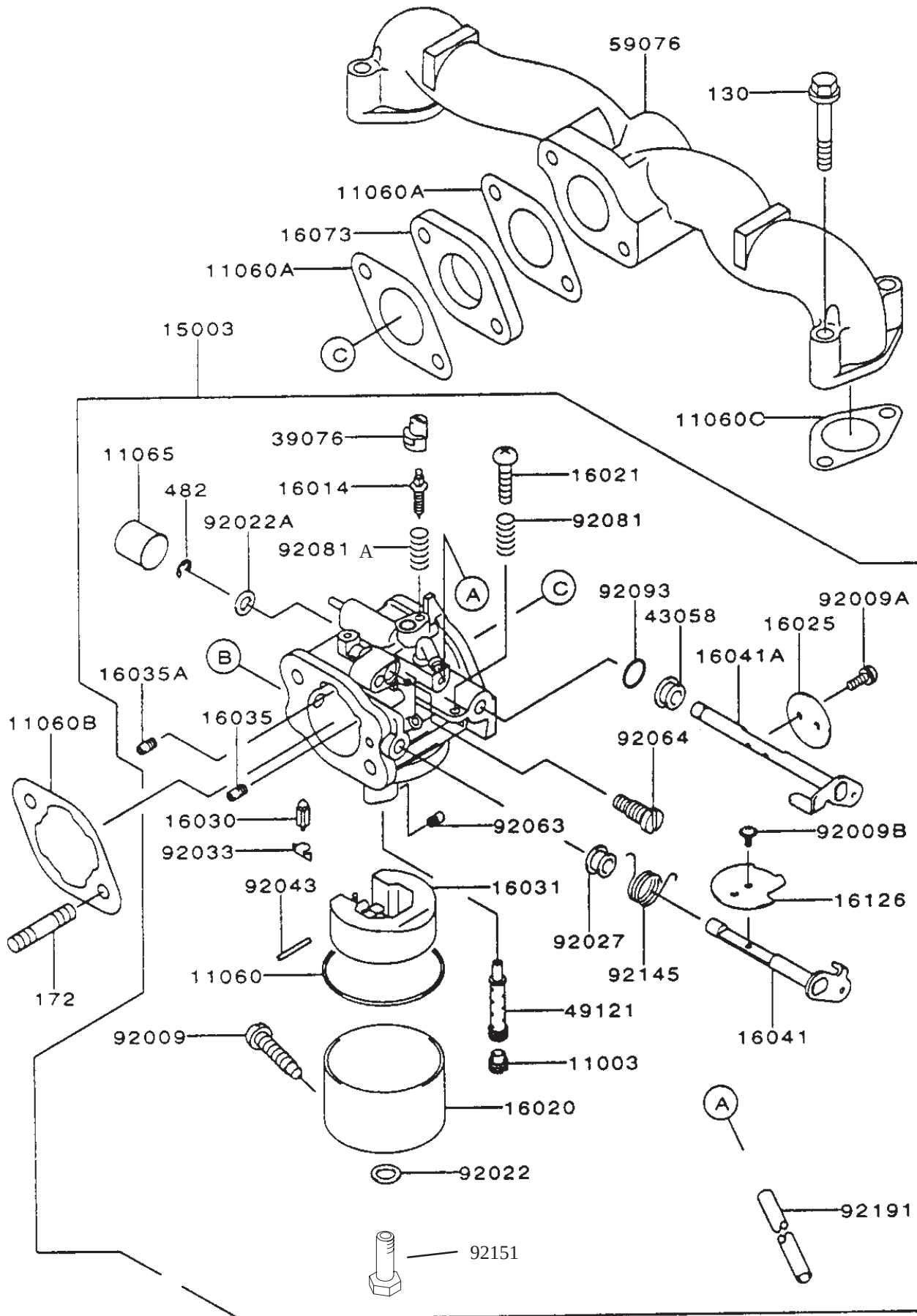
## Control Equipment Assembly (Continued)

### Kawasaki FH500V-AS29

| Ref. No. | Part No.   | Qty. | Description        | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|--------------------|----------|----------|------|-------------|
| 13107    | 13107-7002 | 1    | Shaft              |          |          |      |             |
| 13270    | 13270-7006 | 1    | Plate              |          |          |      |             |
| 16169    | 16169-7001 | 1    | Link-Choke         |          |          |      |             |
| 16171    | 16171-7001 | 1    | Link               |          |          |      |             |
| 39129    | 39129-7003 | 1    | Spring-Governor    |          |          |      |             |
| 49103    | 49103-7001 | 1    | Arm-Governor       |          |          |      |             |
| 49113    | 49113-7001 | 1    | Panel-Comp-Control |          |          |      |             |
| 92009    | 92009-7002 | 1    | Screw, 4x30        |          |          |      |             |
| 92145    | 92145-7003 | 1    | Spring             |          |          |      |             |
| 92145A   | 92145-7004 | 1    | Spring             |          |          |      |             |
| 92145B   | 92145-7005 | 1    | Spring             |          |          |      |             |
| 92150    | 92150-2182 | 1    | Bolt, 5x18         |          |          |      |             |
| 92151    | 92151-7006 | 1    | Bolt, 6x30         |          |          |      |             |
| 92170    | 92170-7001 | 1    | Clamp              |          |          |      |             |
| 130      | 130B0612   | 2    | Bolt-Flanged       |          |          |      |             |
| 214      | 214B0408   | 2    | Screw-Pan          |          |          |      |             |
| 311      | 311B0600   | 1    | Nut-Hex            |          |          |      |             |
| 411      | 411B0600   | 1    | Washer-Plain       |          |          |      |             |

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# Carburetor Assembly Kawasaki FH500V-AS29

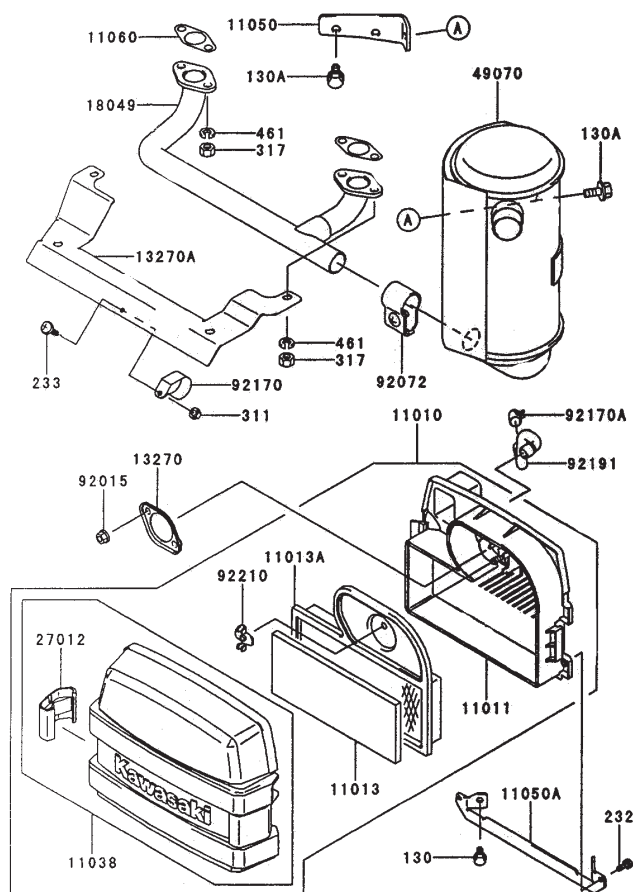


## Carburetor Assembly (Continued)

### Kawasaki FH500V-AS29

| Ref. No. | Part No.   | Qty. | Description                  | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|------------------------------|----------|----------|------|-------------|
| 11003    | 11003-2105 | 1    | Seat-Valve                   |          |          |      |             |
| 11060    | 11060-2406 | 1    | Gasket                       |          |          |      |             |
| 11060A   | 11060-7003 | 2    | Gasket, Insulator            |          |          |      |             |
| 11060B   | 11060-7004 | 1    | Gasket, Air Filter           |          |          |      |             |
| 11060C   | 11060-7005 | 2    | Gasket                       |          |          |      |             |
| 11065    | 11065-2061 | 1    | Cap                          |          |          |      |             |
| 15003    | 15003-2698 | 1    | Carburetor-Assy              |          |          |      |             |
| 16014    | 16014-2080 | 1    | Screw-Pilot Air              |          |          |      |             |
| 16020    | 16020-2141 | 1    | Chamber-Float                |          |          |      |             |
| 16021    | 16021-2060 | 1    | Screw-Throttlestop           |          |          |      |             |
| 16025    | 16025-2193 | 1    | Valve-Throttle, #130         |          |          |      |             |
| 16030    | 16030-2067 | 1    | Valve-Float                  |          |          |      |             |
| 16031    | 16031-2066 | 1    | Float                        |          |          |      |             |
| 16035    | 16035-2060 | 1    | Jet-Air, #1.7                |          |          |      |             |
| 16035A   | 16035-2061 | 1    | Jet-Air, #1.2                |          |          |      |             |
| 16041    | 16041-2252 | 1    | Shaft-Carburetor,<br>Choke   |          |          |      |             |
| 16041A   | 16041-2253 | 1    | Shaft-Carburetor<br>Throttle |          |          |      |             |
| 16073    | 16073-7001 | 1    | Insulator                    |          |          |      |             |
| 16126    | 16126-2219 | 1    | Valve                        |          |          |      |             |
| 39076    | 39076-2053 | 1    | Limiter                      |          |          |      |             |
| 43058    | 43058-3716 | 1    | Ring                         |          |          |      |             |
| 49121    | 49121-2222 | 1    | Nozzle-Main                  |          |          |      |             |
| 59076    | 59076-7001 | 1    | Manifold-Intake              |          |          |      |             |
| 92009    | 92009-2015 | 1    | Screw                        |          |          |      |             |
| 92009A   | 92009-2024 | 2    | Screw                        |          |          |      |             |
| 92009B   | 92009-2081 | 1    | Screw                        |          |          |      |             |
| 92022    | 92022-2231 | 1    | Washer                       |          |          |      |             |
| 92022A   | 92022-2239 | 1    | Washer                       |          |          |      |             |
| 92027    | 92027-2025 | 1    | Collar                       |          |          |      |             |
| 92033    | 92033-2067 | 1    | Ring-Snap                    |          |          |      |             |
| 92043    | 92043-2226 | 1    | Pin                          |          |          |      |             |
| 92063    | 92063-2358 | 1    | Jet-Main                     |          |          |      |             |
| 92064    | 92064-2125 | 1    | Jet-Pilot                    |          |          |      |             |
| 92081    | 92081-2009 | 2    | Spring                       |          |          |      |             |
| 92081A   | 92081-2256 | 1    | Spring                       |          |          |      |             |
| 92093    | 92093-2002 | 1    | Seal                         |          |          |      |             |
| 92145    | 92145-2061 | 1    | Spring                       |          |          |      |             |
| 92151    | 92151-2092 | 1    | Bolt                         |          |          |      |             |
| 92191    | 92191-7008 | 1    | Tube                         |          |          |      |             |
| 130      | 130B0635   | 4    | Bolt-Flanged                 |          |          |      |             |
| 172      | 172G0685   | 2    | Bolt-Stud                    |          |          |      |             |
| 482      | 482L4000   | 1    | Circlip-Type-E               |          |          |      |             |

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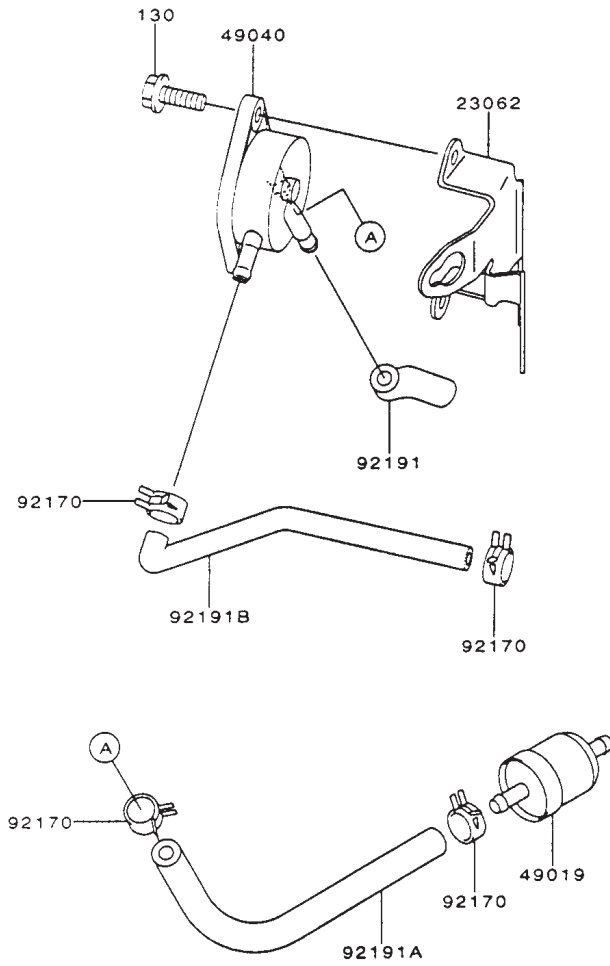
## Air Filter / Muffler Assembly Kawasaki FH500V-AS29

| Ref. No. | Part No.   | Qty. | Description          |
|----------|------------|------|----------------------|
| 11010    | 11010-7001 | 1    | Filter-Assy-Air      |
| 11011    | 11011-7001 | 1    | Case-Air Filter      |
| 11013    | 11013-7001 | 1    | Element-Air Filter   |
| 11013A   | 11013-7002 | 1    | Element-Air Filter   |
| 11038    | 11038-7001 | 1    | Case-Assy-Air Filter |
| 11050    | 11050-7004 | 1    | Bracket              |
| 11050A   | 11050-7006 | 1    | Bracket              |
| 11060    | 11060-7006 | 2    | Gasket, Muffler      |
| 13270    | 13270-7001 | 1    | Plate                |
| 13270A   | 13270-7008 | 1    | Plate                |
| 18049    | 18049-7001 | 1    | Pipe-Exhaust         |
| 27012    | 27012-7001 | 2    | Hook, Air Filter     |
| 49070    | 49070-7002 | 1    | Muffler-Comp         |
| 92072    | 92072-7002 | 1    | Band                 |
| 92015    | 92015-1193 | 2    | Nut                  |
| 92170    | 92170-7002 | 1    | Clamp                |
| 92170A   | 92170-7003 | 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              |

| Ref. No. | Part No. | Qty. | Description   |
|----------|----------|------|---------------|
| 317      | 317R0800 | 4    | Nut-Hex-Small |
| 461      | 461F0800 | 4    | Washer-Spring |

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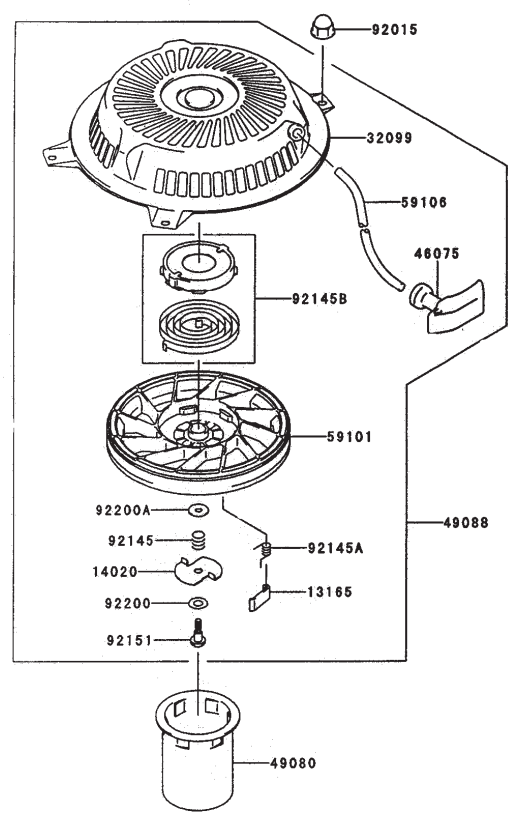




## Fuel Tank / Fuel Valve Assembly Kawasaki FH500V-AS29

| Ref. No. | Part No.      | Qty. | Description        | Ref. No. | Part No. | Qty. | Description |
|----------|---------------|------|--------------------|----------|----------|------|-------------|
| 23062    | 23062-7001-9H | 1    | Bracket-Comp       |          |          |      |             |
| 49019    | 49019-7001    | 1    | Filter-Fuel        |          |          |      |             |
| 49040    | 49040-2075    | 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       |          |          |      |             |

Obtain parts from your local Kawasaki dealer.



**Starter Assembly**  
**Kawasaki FH500V-AS29**

| Ref. No. | Part No.   | Qty. | Description          | Ref. No. | Part No. | Qty. | Description |
|----------|------------|------|----------------------|----------|----------|------|-------------|
| 13165    | 13165-700  | 2    | Pawl, Recoil Starter |          |          |      |             |
| 14020    | 14020-7001 | 1    | Retainer             |          |          |      |             |
| 32099    | 32099-7001 | 1    | Case, Recoil Starter |          |          |      |             |
| 46075    | 46075-7001 | 1    | Grip-Recoil Starter  |          |          |      |             |
| 49080    | 49080-7001 | 1    | Pulley-Starting      |          |          |      |             |
| 49088    | 49088-7001 | 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               |          |          |      |             |

Obtain parts from your local Kawasaki dealer.

## Maintenance Record

[illegible]

