



## Commercial Walk-Behind Mower Floating Deck T-Bar Hydro with 48in TURBO FORCE® Cutting Unit

Model No. 30498 - 280001001 and up.

### Parts Catalog

#### Ordering Replacement Parts

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

#### Understanding Reference Numbers

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

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

#### Service Assembly Reference Numbers

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

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

#### Reference Numbers Indicating Quantity

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

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

# Contents

| Description                                     | Page     | Description                                          | Page     |
|-------------------------------------------------|----------|------------------------------------------------------|----------|
| Engine and Clutch Assembly                      | ..... 3  | Cylinder and Crankcase Assembly Kawasaki FH580V-DS28 | ..... 24 |
| Fuel System, Hydraulic Pump and Filter Assembly | ..... 4  | Piston and Crankshaft Assembly Kawasaki FH580V-DS28  | ..... 25 |
| Hydraulic Pump Assembly No. 115-4480            | ..... 5  | Valve and Camshaft Assembly Kawasaki FH580V-DS28     | ..... 26 |
| Hydraulic Pump Assembly No. 115-4481            | ..... 6  | Lubrication Equipment Assembly Kawasaki FH580V-DS28  | ..... 27 |
| Pump Drive and Wheel Assembly                   | ..... 7  | Cooling Equipment Assembly Kawasaki FH580V-DS28      | ..... 28 |
| Hydraulic Wheel Motor Assembly No. 104-1171     | ..... 8  | Electric Equipment Assembly Kawasaki FH580V-DS28     | ..... 29 |
| Lower Control Assembly                          | ..... 9  | Control Equipment Assembly Kawasaki FH580V-DS28      | ..... 30 |
| Hydraulic Hose Assembly                         | ..... 10 | Carburetor Assembly Kawasaki FH580V-DS28             | ..... 31 |
| Upper Control Assembly                          | ..... 11 | Air Filter and Muffler Assembly Kawasaki FH580V-DS28 | ..... 32 |
| Control Panel Assembly                          | ..... 12 | Fuel Tank and Valve Assembly Kawasaki FH580V-DS28    | ..... 33 |
| Battery Assembly                                | ..... 13 | Starter Assembly Kawasaki FH580V-DS28                | ..... 34 |
| Parking Brake Assembly                          | ..... 14 | Label Assembly Kawasaki FH580V-DS28                  | ..... 35 |
| Power-Take-Off Idler and Weight Assembly        | ..... 15 | Attachments and Accessories List                     | ..... 36 |
| Carrier Frame Assembly                          | ..... 16 |                                                      |          |
| Deck Drive and Baffle Assembly                  | ..... 17 |                                                      |          |
| Deck Assembly No. 112-7082                      | ..... 18 |                                                      |          |
| Spindle Assembly No. 110-0728                   | ..... 19 |                                                      |          |
| Spindle Assembly No. 110-0729                   | ..... 20 |                                                      |          |
| Lever Assembly No. 107-1664                     | ..... 21 |                                                      |          |
| Deck Assembly                                   | ..... 22 |                                                      |          |
| Deflector Assembly No. 110-0758                 | ..... 23 |                                                      |          |

## Part Description Abbreviations

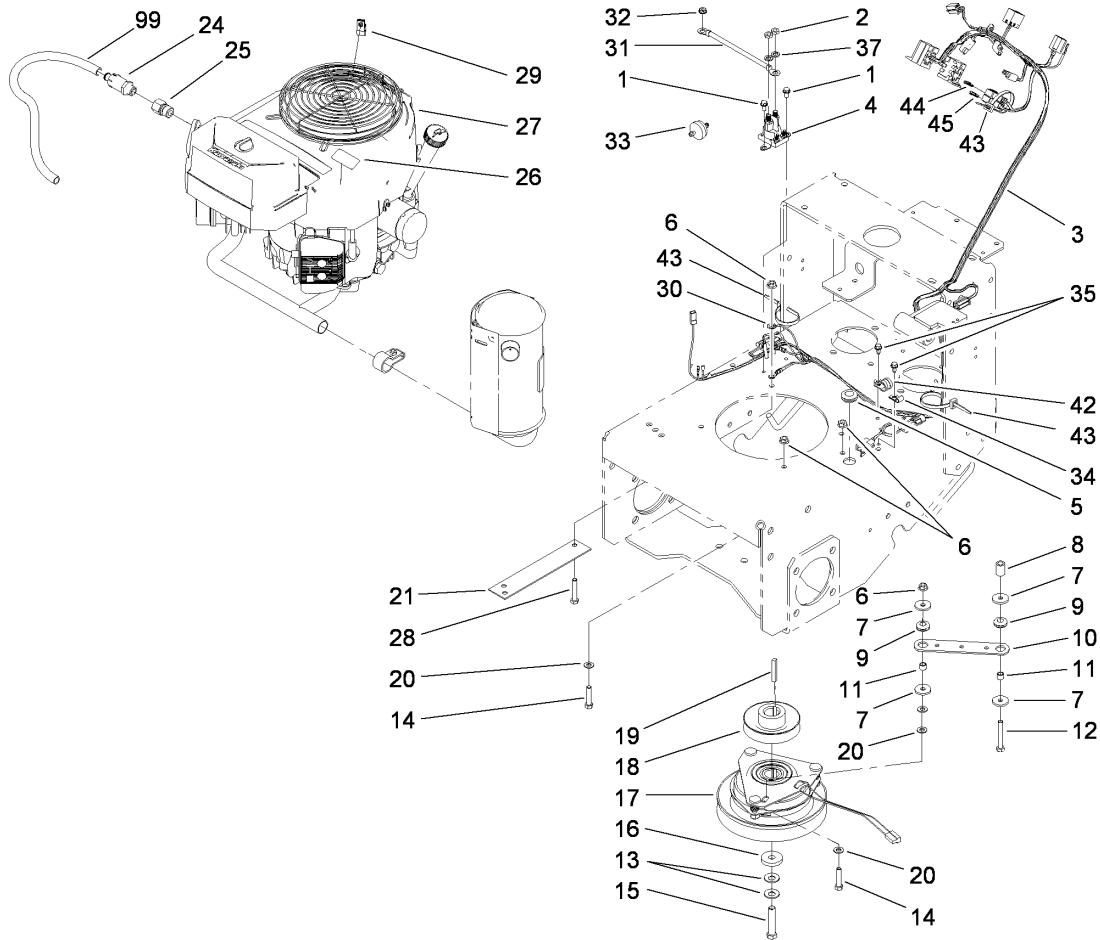
Part descriptions in this catalog may include the following abbreviations.

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

## Footnotes

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

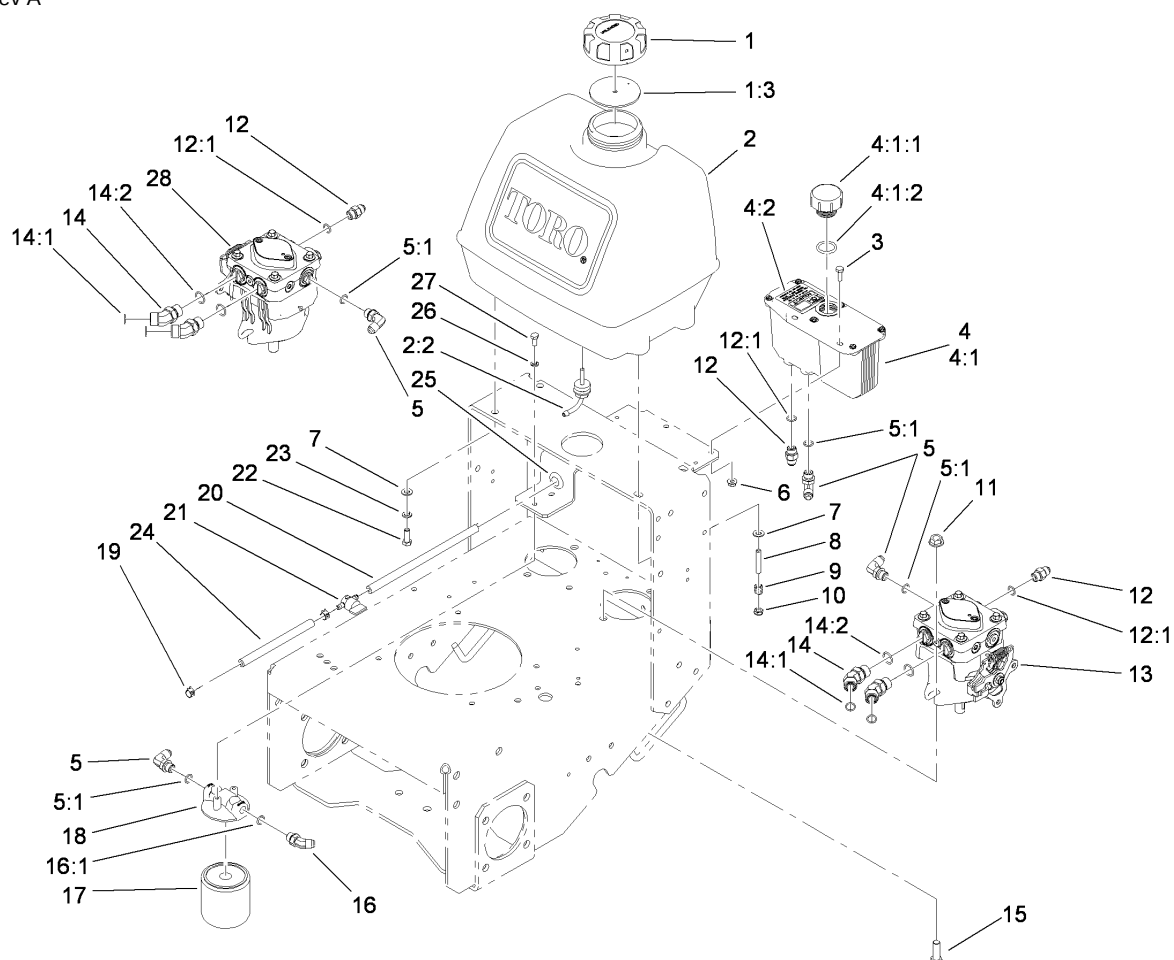
- ❸ Not serviced separately



## Engine and Clutch Assembly

| Ref | Part No.    | Qty. | Description         |
|-----|-------------|------|---------------------|
| 1   | 32144-4     | 2    | Screw-HWH           |
| 2   | 3220-2      | 2    | Nut-Jam             |
| 3   | 114-3418    | 1    | Harness-Wire        |
| 4   | 1-513075    | 1    | Switch-Solenoid     |
| 5   | 112-7069    | 1    | Grommet             |
| 6   | 32128-20    | 6    | Nut-HF              |
| 7   | 1-613235    | 4    | Washer              |
| 8   | 104-6373    | 1    | Tube-Retainer       |
| 9   | 1-633630    | 2    | Grommet-Brake       |
| 10  | 1-633543-03 | 1    | Strap-Clutch, Brake |
| 11  | 1-633545    | 2    | Spacer              |
| 12  | 322-11      | 1    | Screw-HH            |
| 13  | 1-603610    | 2    | Washer-Spring       |
| 14  | 322-7       | 4    | Screw-HH            |
| 15  | 3212-9      | 1    | Screw-HH            |
| 16  | 107-4136    | 1    | Washer              |
| 17  | 105-2635    | 1    | Clutch / Brake      |
| 18  | 44-5940     | 1    | Pulley              |
| 19  | 608006      | 1    | Key-Square          |
| 20  | 3256-23     | 5    | Washer-Flat         |
| 21  | 94-5847-01  | 1    | Cover-Pulley        |
| 24  | 92-6877     | 1    | Valve-Drain, Oil    |
| 25  | 103-1966    | 1    | Adapter             |
| 26  | 106-0699    | 1    | Decal-Warning       |

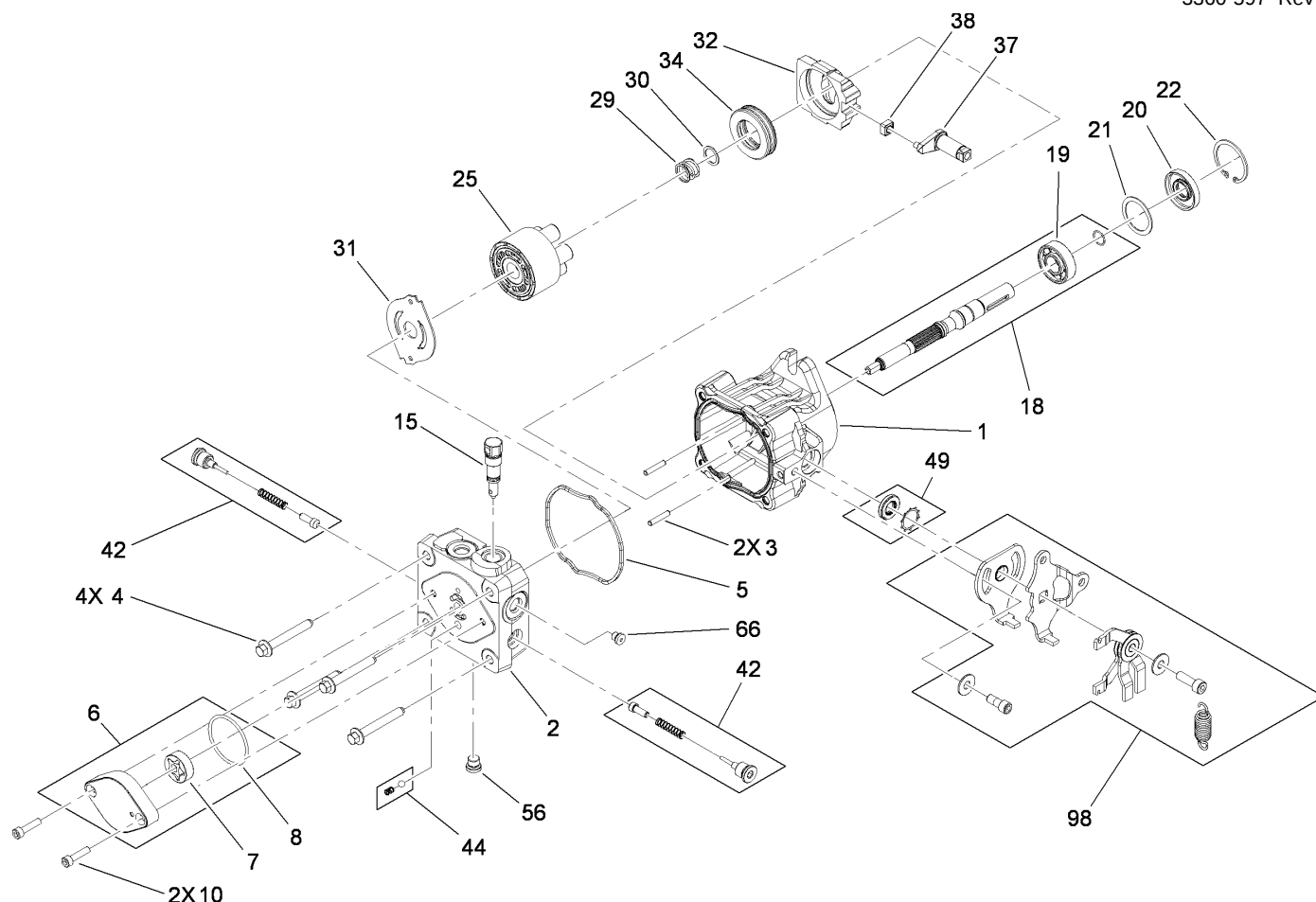
| Ref | Part No. | Qty. | Description                  |
|-----|----------|------|------------------------------|
| 27  |          | 1    | Engine-Kawasaki, FH580V-Ds28 |
| 28  | 322-9    | 1    | Screw-HH                     |
| 29  | 2412-87  | 1    | Clamp-Cable                  |
| 30  | 3255-8   | 1    | Washer-Lock                  |
| 31  | 112-9707 | 1    | Cable-Battery, Pos           |
| 32  | 32149-2  | 1    | Nut-Keps                     |
| 33  | 56-6360  | 1    | Filter-Fuel                  |
| 34  | 2412-72  | 1    | Clip-Closed, Insulated       |
| 35  | 12-3270  | 2    | Screw                        |
| 37  | 3253-4   | 2    | Washer-Lock                  |
| 42  | 2412-134 | 1    | R-Clamp                      |
| 43  | 3290-378 | 3    | Tie-Cable                    |
| 44  | 109102   | 1    | Fuse-25 Amp                  |
| 45  | 109103   | 1    | Fuse-30 Amp                  |
| 99  | 103-1964 | 1    | Hose-Drain, Oil              |



## Fuel System, Hydraulic Pump and Filter Assembly

| Ref   | 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     | 321-4    | 2    | Screw-HH               |
| 4     | 103-1947 | 1    | HYD Reservoir ASM      |
| 4:1   |          | 1    | Reservoir-HYD          |
| 4:1:1 | 103-1948 | 1    | Cap-Reservoir, HYD     |
| 4:1:2 | 103-1949 | 1    | Gasket-Cap             |
| 4:2   | 1-523552 | 1    | Decal-Tank, HYD        |
| 5     | 353-374  | 4    | Elbow-90 DEG           |
| 5:1   | 237-42   | 1    | O-Ring                 |
| 6     | 32128-33 | 2    | Nut-HF                 |
| 7     | 3256-23  | 4    | Washer-Flat            |
| 8     | 104-8121 | 2    | Stud-Threaded          |
| 9     | 1-633349 | 2    | Spring-Tank, Fuel      |
| 10    | 3296-47  | 2    | Nut-Lock, NI           |
| 11    | 32128-42 | 4    | Nut-HF                 |
| 12    | 353-384  | 3    | Fitting-Straight       |
| 12:1  | 237-42   | 1    | O-Ring                 |
| 13    | 115-4480 | 1    | Pump-Hydraulic         |
| 14    | 340-101  | 4    | Fitting-HYD, 45 DEG    |
| 14:1  | 237-30   | 1    | O-Ring                 |
| 14:2  | 237-79   | 1    | O-Ring                 |

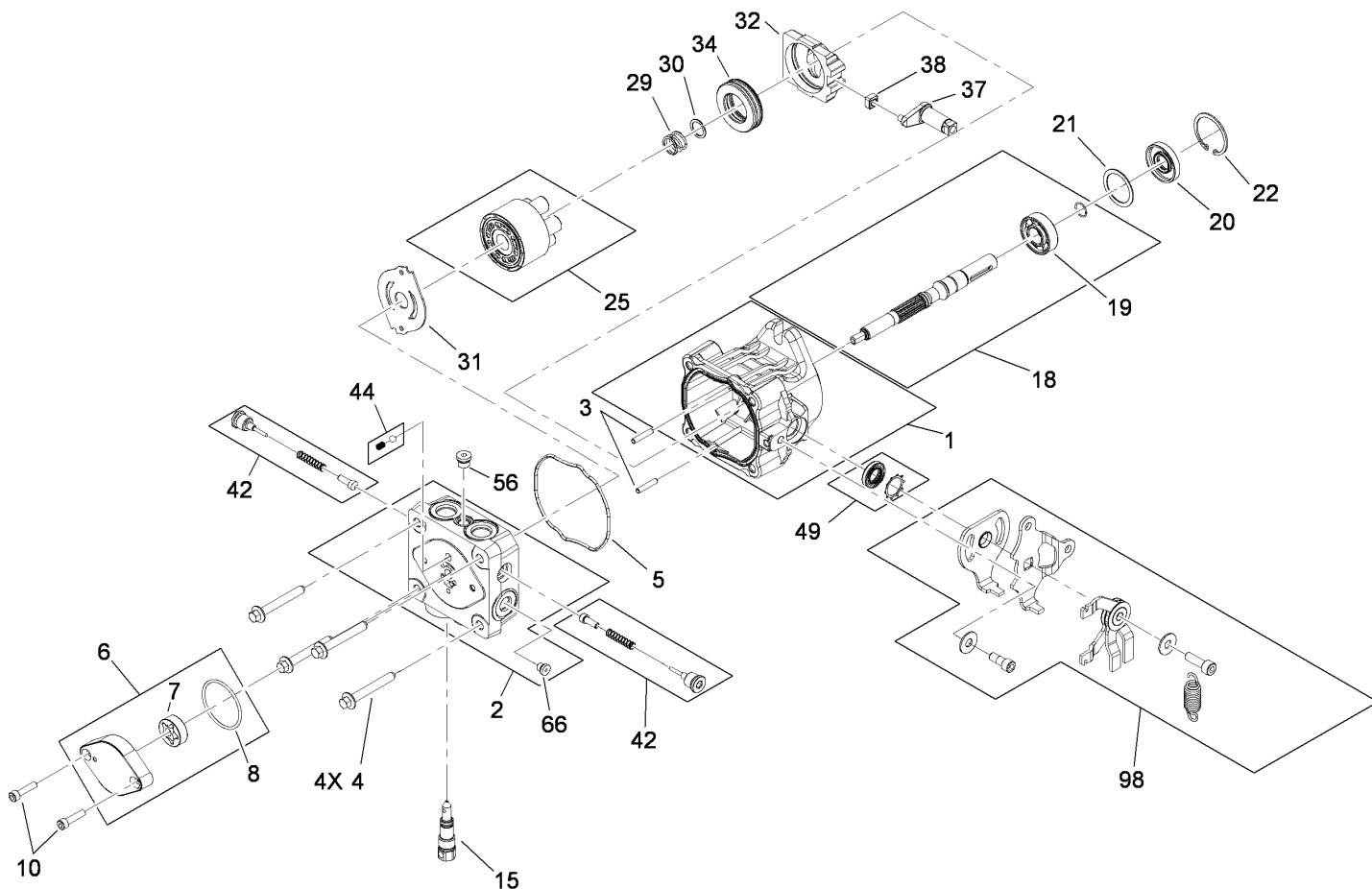
| Ref  | Part No. | Qty. | Description         |
|------|----------|------|---------------------|
| 15   | 324-5    | 4    | Screw-HH            |
| 16   | 353-212  | 1    | Fitting-HYD, 45 DEG |
| 16:1 | 237-42   | 1    | O-Ring              |
| 17   | 1-633750 | 1    | Filter-Oil, HYD     |
| 17   | 1-633752 | 1    | Filter-HYD, Winter  |
| 18   | 104-7836 | 1    | Head-Filter         |
| 19   | 2412-98  | 4    | Clamp               |
| 20   | 110-4894 | 1    | Hose-Fuel           |
| 21   | 1-603770 | 1    | Valve-Fuel          |
| 22   | 322-4    | 2    | Screw-HH            |
| 23   | 3253-4   | 2    | Washer-Lock         |
| 24   | 107-0588 | 1    | Hose-Fuel           |
| 25   | 112-7069 | 1    | Grommet             |
| 26   | 3253-3   | 2    | Washer-Lock         |
| 27   | 321-3    | 2    | Screw-HH            |
| 28   | 115-4481 | 1    | Pump-Hydraulic      |



## Hydraulic Pump Assembly No. 115-4480

| Ref | Part No. | Qty. | Description                  |
|-----|----------|------|------------------------------|
| 1   | 115-4464 | 1    | Housing-Kit                  |
| 2   | 106-8752 | 1    | End Cap Kit (W/Poppets)      |
| 3   | 106-8753 | 2    | Pin-Headless, Straight       |
| 4   | 106-8754 | 4    | Bolt-HF                      |
| 5   | 106-8755 | 1    | O-Ring                       |
| 6   | 106-8756 | 1    | Charge Pump Kit              |
| 7   | 104-2122 | 1    | Gerotor ASM                  |
| 8   | 106-8757 | 1    | O-Ring                       |
| 10  | 104-2111 | 2    | Capscrew                     |
| 15  | 106-8759 | 1    | Bypass Valve Kit             |
| 18  | 103-2664 | 1    | Input Shaft Kit              |
| 19  | 104-5311 | 1    | Bearing-Ball                 |
| 20  | 104-5310 | 1    | Seal-Lip                     |
| 21  | 104-5308 | 1    | Spacer                       |
| 22  | 104-5309 | 1    | Ring-Retaining               |
| 25  | 103-2666 | 1    | Cylinder Block Kit           |
| 29  | 94-1936  | 1    | Spring-Block                 |
| 30  | 94-1937  | 1    | Washer-Thrust, Block         |
| 31  | 105-6185 | 1    | Plate-Valve                  |
| 32  | 94-1907  | 1    | Swashplate-Variable          |
| 34  | 94-6922  | 1    | Bearing-Thrust               |
| 37  | 115-4458 | 1    | Arm-Trunnion, Tapered Square |
| 38  | 94-1910  | 1    | Guide-Slot                   |
| 42  | 98-3252  | 2    | Valve-Check (W/Poppet)       |

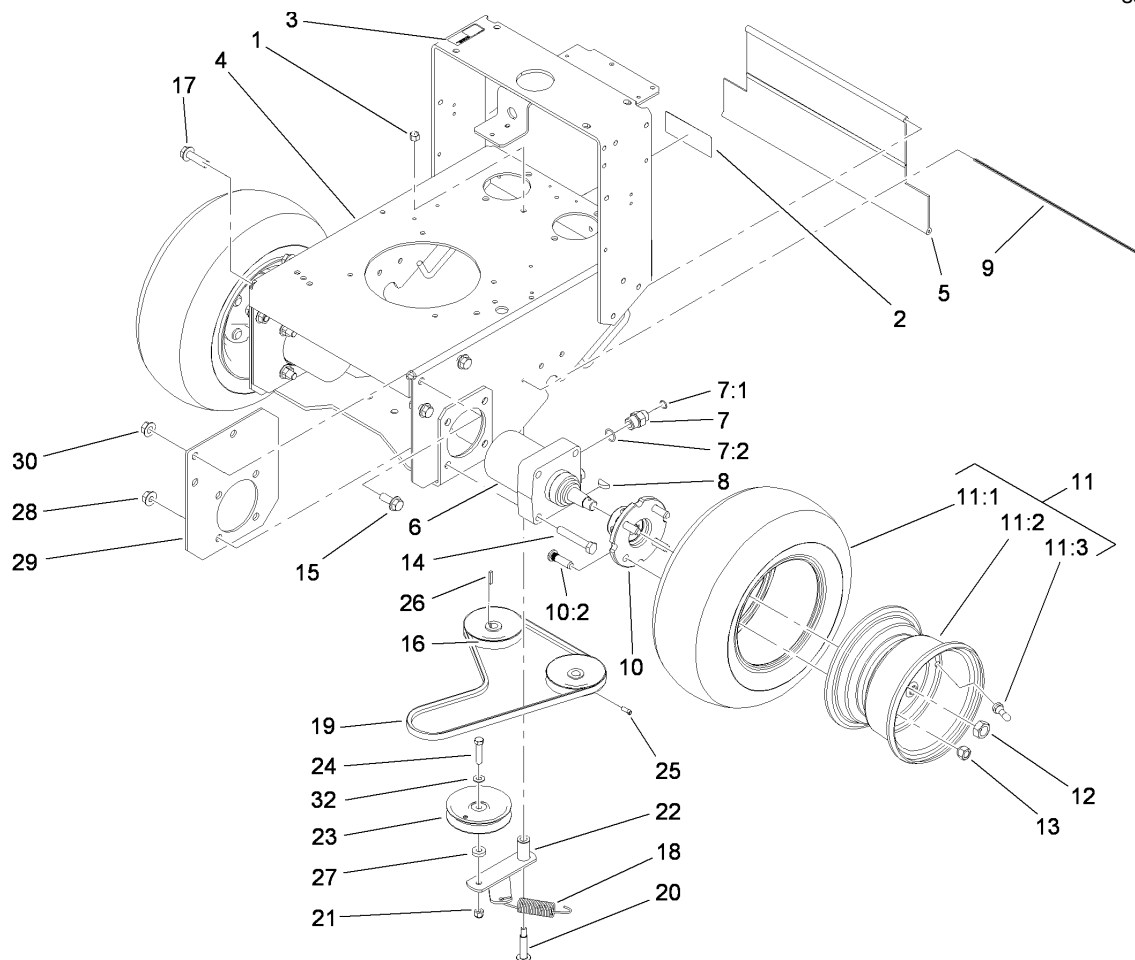
| Ref | Part No. | Qty. | Description             |
|-----|----------|------|-------------------------|
| 44  | 106-8760 | 1    | Charge Relief Valve Kit |
| 49  | 114-8155 | 1    | Trunnion Seal Kit       |
| 56  | 106-8762 | 1    | Plug-HSH                |
| 66  | 106-8763 | 1    | Plug-HSH                |
| 98  | 115-4459 | 1    | Kit-Return              |
| 99  | 105-6184 | 1    | Seal Overhaul Kit       |



## Hydraulic Pump Assembly No. 115-4481

| Ref | Part No. | Qty. | Description                  |
|-----|----------|------|------------------------------|
| 1   | 115-4464 | 1    | Housing-Kit                  |
| 2   | 106-8752 | 1    | End Cap Kit (W/Poppets)      |
| 3   | 106-8753 | 2    | Pin-Headless, Straight       |
| 4   | 106-8754 | 4    | Bolt-HF                      |
| 5   | 106-8755 | 1    | O-Ring                       |
| 6   | 106-8756 | 1    | Charge Pump Kit              |
| 7   | 104-2122 | 1    | Gerotor ASM                  |
| 8   | 106-8757 | 1    | O-Ring                       |
| 10  | 104-2111 | 2    | Capscrew                     |
| 15  | 106-8759 | 1    | Bypass Valve Kit             |
| 18  | 103-2664 | 1    | Input Shaft Kit              |
| 19  | 104-5311 | 1    | Bearing-Ball                 |
| 20  | 104-5310 | 1    | Seal-Lip                     |
| 21  | 104-5308 | 1    | Spacer                       |
| 22  | 104-5309 | 1    | Ring-Retaining               |
| 25  | 103-2666 | 1    | Cylinder Block Kit           |
| 29  | 94-1936  | 1    | Spring-Block                 |
| 30  | 94-1937  | 1    | Washer-Thrust, Block         |
| 31  | 105-6185 | 1    | Plate-Valve                  |
| 32  | 94-1907  | 1    | Swashplate-Variable          |
| 34  | 94-6922  | 1    | Bearing-Thrust               |
| 37  | 115-4458 | 1    | Arm-Trunnion, Tapered Square |
| 38  | 94-1910  | 1    | Guide-Slot                   |
| 42  | 98-3252  | 2    | Valve-Check (W/Poppet)       |

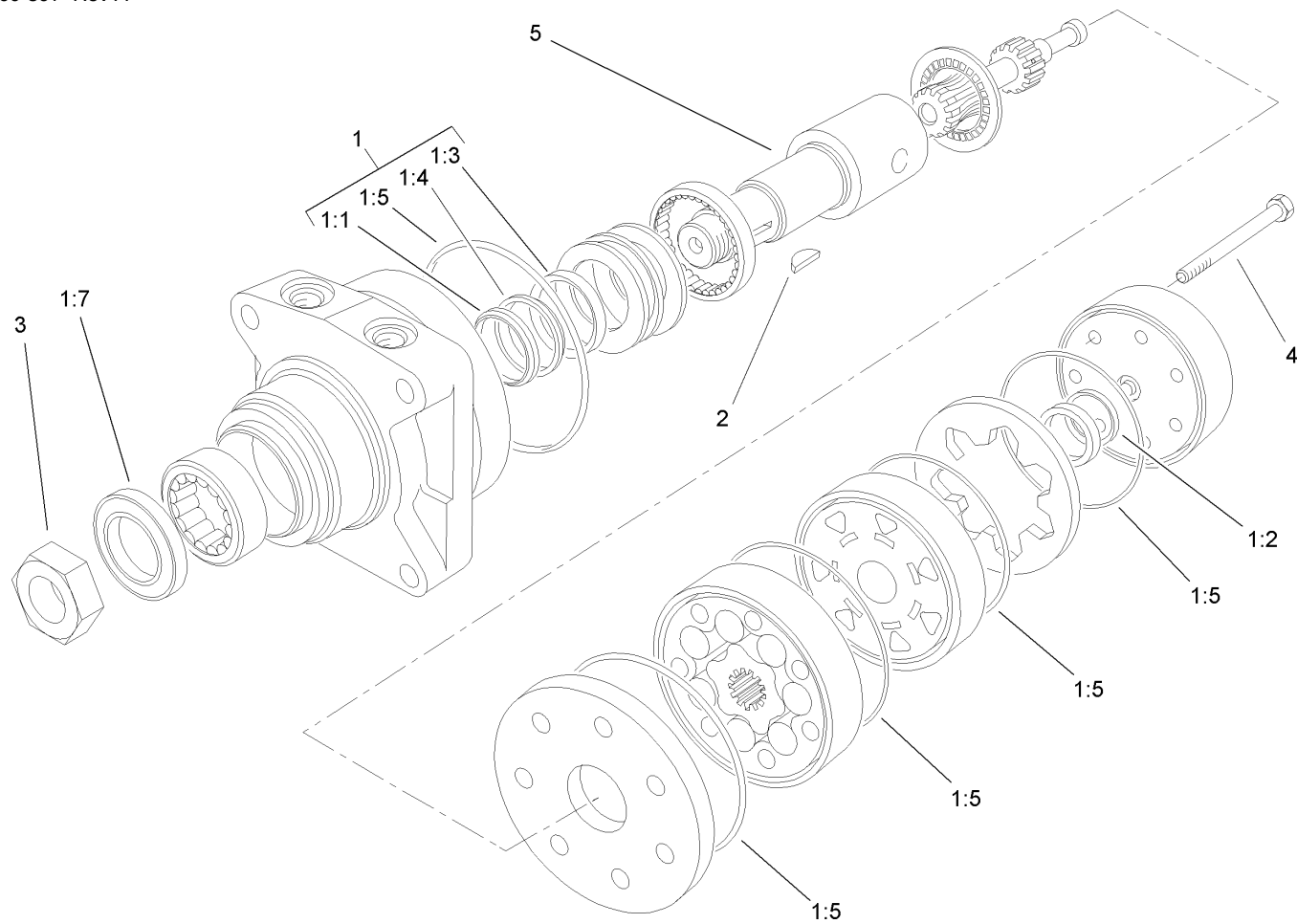
| Ref | Part No. | Qty. | Description             |
|-----|----------|------|-------------------------|
| 44  | 106-8760 | 1    | Charge Relief Valve Kit |
| 49  | 114-8155 | 1    | Trunnion Seal Kit       |
| 56  | 106-8762 | 1    | Plug-HSH                |
| 66  | 106-8763 | 1    | Plug-HSH                |
| 98  | 115-4459 | 1    | Kit-Return              |
| 99  | 105-6184 | 1    | Seal Overhaul Kit       |



## Pump Drive and Wheel Assembly

| Ref  | Part No.    | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 3296-6      | 1    | Nut-Lock              |
| 2    | 98-0776     | 1    | Decal-Caution         |
| 3    | 95-2814     | 1    | Decal-Shut Off, Fuel  |
| 4    | 114-0222-01 | 1    | Frame ASM             |
| 5    | 95-1526     | 1    | Shield-Trailing       |
| 6    | 104-1171    | 2    | Motor-Wheel           |
| 7    | 340-6       | 4    | Fitting-HYD, Straight |
| 7:1  | 237-30      | 1    | O-Ring                |
| 7:2  | 237-80      | 1    | O-Ring                |
| 8    | 3257-8      | 2    | Key-Woodruff          |
| 9    | 95-1529     | 1    | Rod-Shield            |
| 10   | 105-0800    | 2    | Wheel Hub / Stud ASM  |
| 10:2 | 10-6830     | 4    | Stud-Type, Drive      |
| 11   | 104-1198    | 2    | Wheel And Tire ASM    |
| 11:1 | 104-6320    | 1    | Tire                  |
| 11:2 | 104-1199    | 1    | Wheel                 |
| 11:3 | 232-27      | 1    | Stem-Valve            |
| 12   | 85-7310     | 2    | Nut-Motor, Wheel      |
| 13   | 242-50      | 8    | Nut-Lug               |
| 14   | 325-12      | 8    | Screw-HH              |
| 15   | 3234-32     | 4    | Screw-HHF             |
| 16   | 105-5648    | 2    | Pulley-Pump           |
| 17   | 3234-22     | 2    | Screw-HHF             |
| 18   | 68-9950     | 1    | Spring-Traction       |

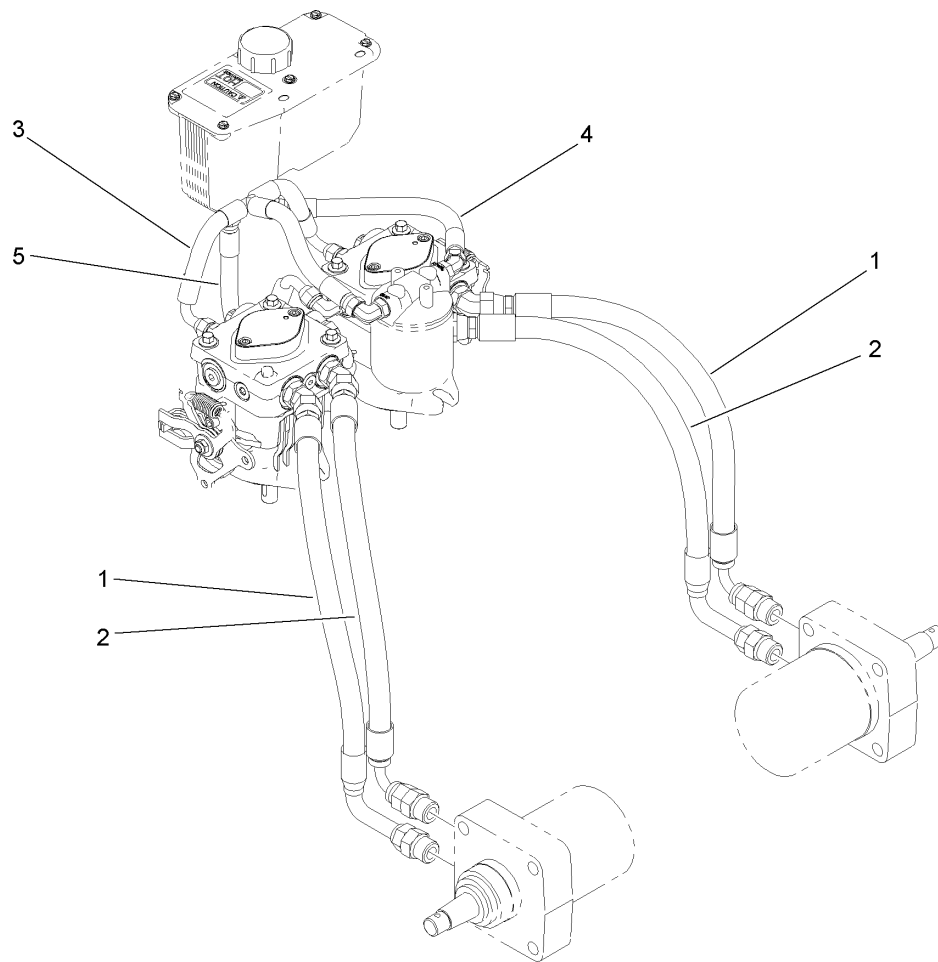
| Ref | Part No.    | Qty. | Description     |
|-----|-------------|------|-----------------|
| 19  | 110-5049    | 1    | Belt-V          |
| 20  | 27-6230     | 1    | Bolt-Wheel      |
| 21  | 3296-39     | 1    | Nut-Lock, NI    |
| 22  | 86-4770     | 1    | Idler Lever ASM |
| 23  | 93-1622     | 1    | Pulley-Idler    |
| 24  | 323-9       | 1    | Screw-HH        |
| 25  | 3241-5      | 4    | Screw-Set       |
| 26  | 1-807272    | 2    | Key             |
| 27  | 9202204     | 1    | Washer          |
| 28  | 32128-49    | 8    | Nut-HHF         |
| 29  | 108-6657-01 | 2    | Plate-Frame     |
| 30  | 32128-23    | 6    | Nut-HF          |
| 32  | 3256-24     | 1    | Washer-Flat     |



# Hydraulic Wheel Motor Assembly No. 104-1171

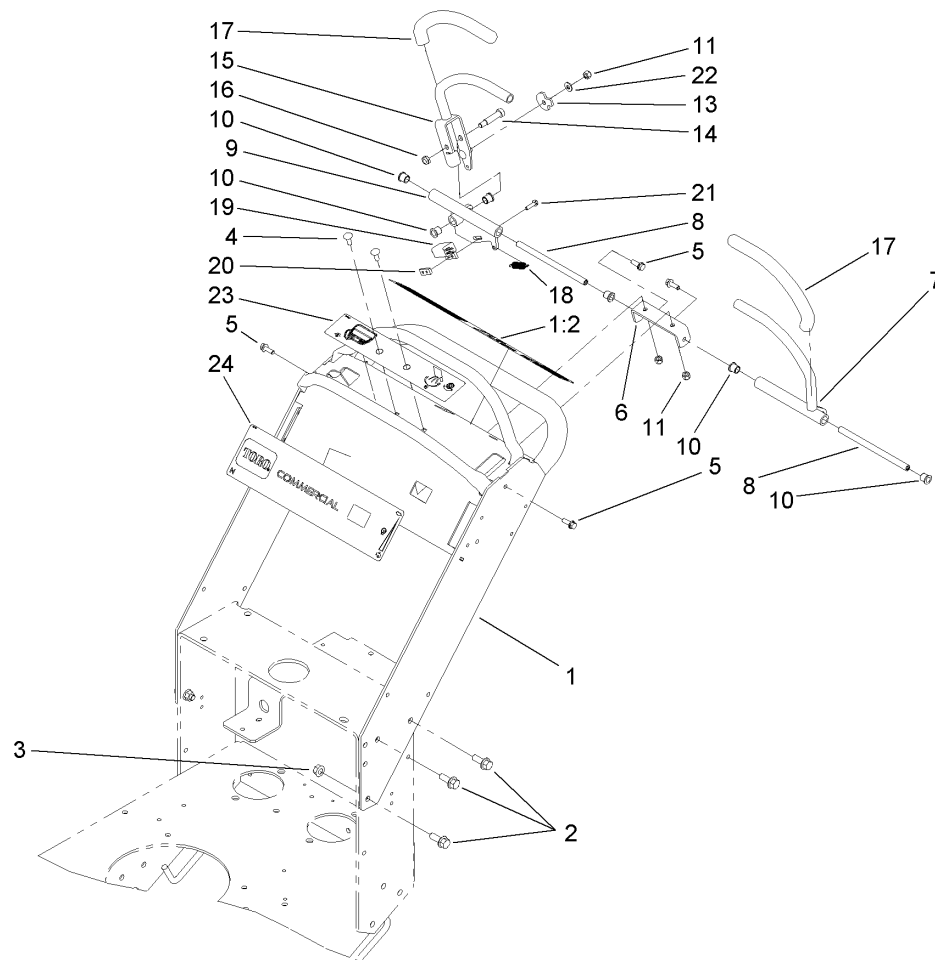
| Ref  | Part No. | Qty. | Description           |  |  |  |  |
|------|----------|------|-----------------------|--|--|--|--|
| 1    | 1-000119 | 1    | Seal Kit              |  |  |  |  |
| ②1:1 |          | 1    | Ring-Back Up          |  |  |  |  |
| ②1:2 |          | 1    | Seal-Commutator       |  |  |  |  |
| ②1:3 |          | 1    | Seal-Shaft (Viton)    |  |  |  |  |
| ②1:4 |          | 1    | Washer-Back Up, Steel |  |  |  |  |
| ②1:5 |          | 5    | Ring-Seal (Viton)     |  |  |  |  |
| ②1:7 |          | 1    | Seal-Dirt And Water   |  |  |  |  |
| 2    | 3257-8   | 1    | Key-Woodruff          |  |  |  |  |
| 3    | 85-7310  | 1    | Nut-Motor, Wheel      |  |  |  |  |
| 4    | 106-5549 | 6    | Bolt-Special          |  |  |  |  |
| 5    | 106-8764 | 1    | Shaft-Coupling        |  |  |  |  |





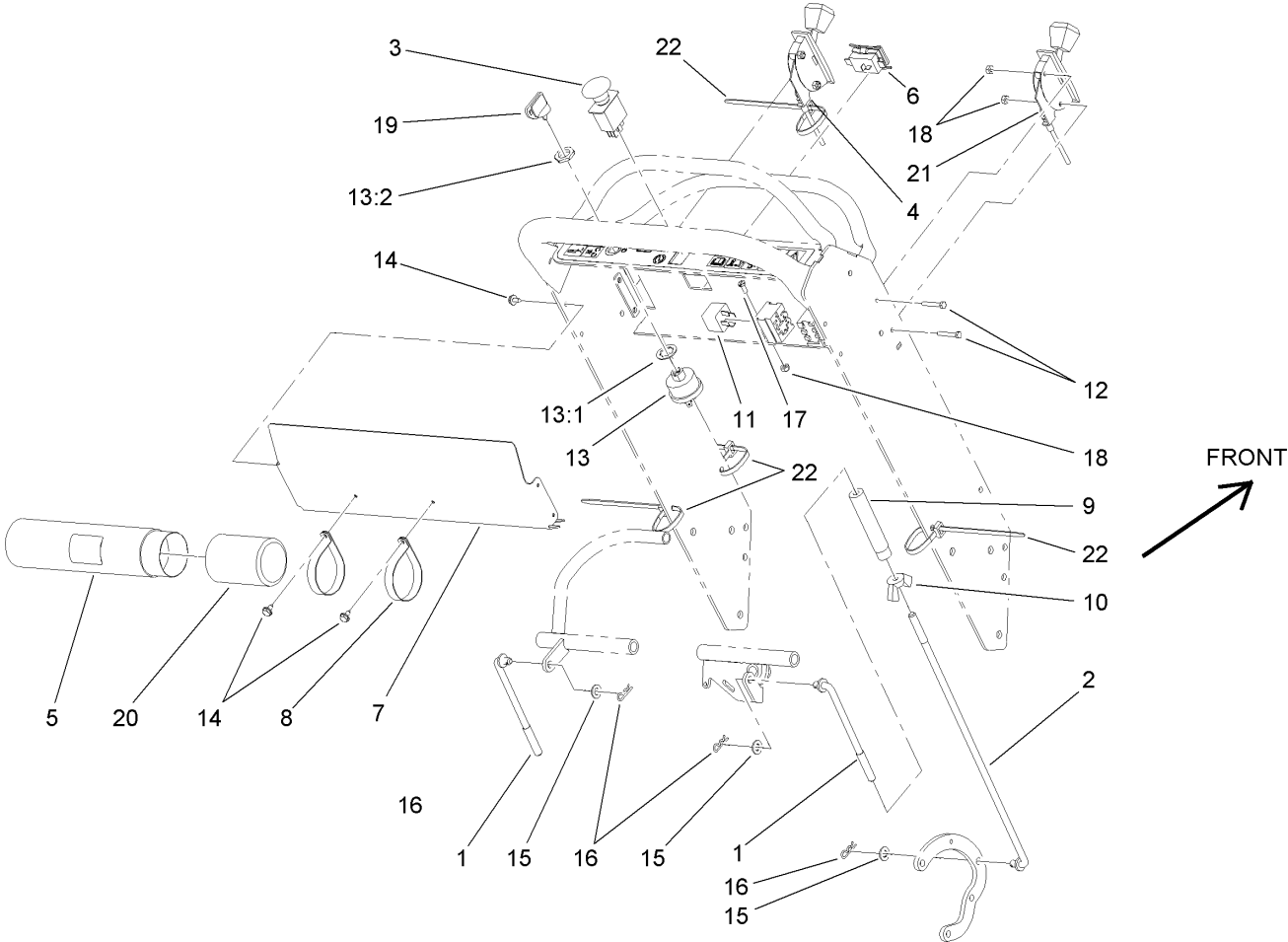
## Hydraulic Hose Assembly

| Ref | Part No. | Qty. | Description  |  |  |  |  |
|-----|----------|------|--------------|--|--|--|--|
| 1   | 112-9704 | 2    | HYD Hose ASM |  |  |  |  |
| 2   | 114-3430 | 2    | HYD Hose ASM |  |  |  |  |
| 3   | 105-5697 | 1    | HYD Hose ASM |  |  |  |  |
| 4   | 105-5699 | 1    | HYD Hose ASM |  |  |  |  |
| 5   | 114-3434 | 1    | HYD Hose ASM |  |  |  |  |



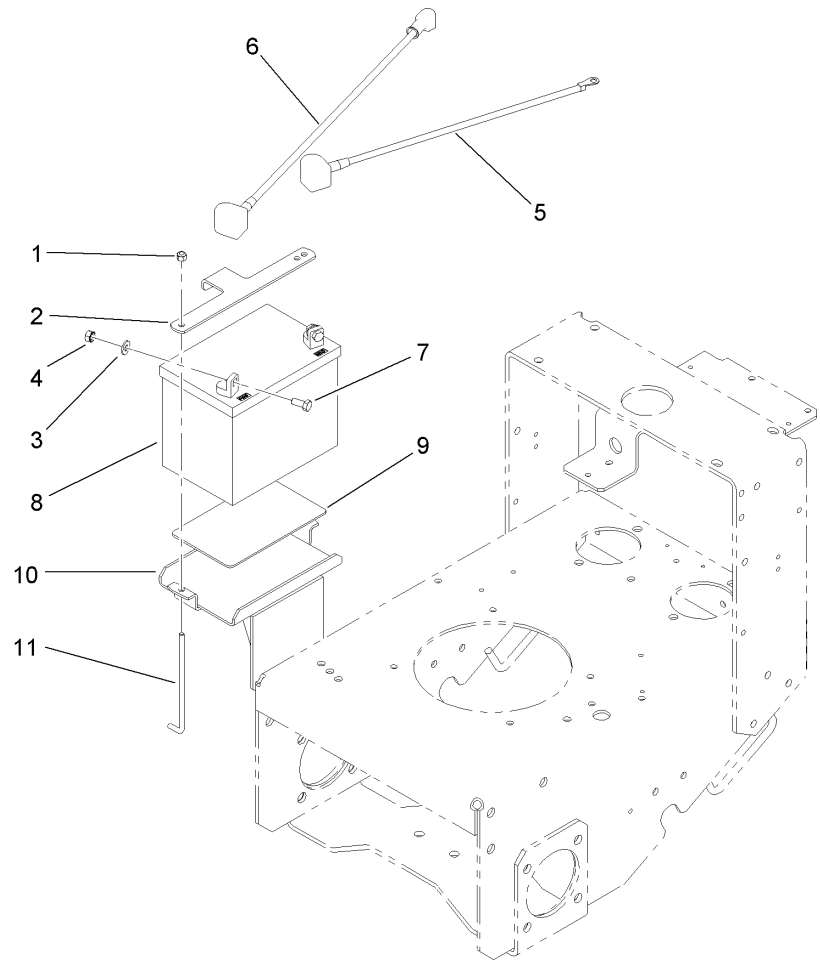
## Upper Control Assembly

| Ref | Part No. | Qty. | Description                |  |  |  |  |
|-----|----------|------|----------------------------|--|--|--|--|
| 1   | 114-3435 | 1    | Handle ASM                 |  |  |  |  |
| 1:2 | 114-3425 | 1    | Decal-Warning, Control, Es |  |  |  |  |
| 2   | 3234-42  | 6    | Screw-HHF                  |  |  |  |  |
| 3   | 32128-43 | 6    | Nut-Flange                 |  |  |  |  |
| 4   | 3229-1   | 2    | Screw-CARR                 |  |  |  |  |
| 5   | 3234-4   | 4    | Screw-HHF                  |  |  |  |  |
| 6   | 114-0235 | 1    | Bracket-Support            |  |  |  |  |
| 7   | 114-0272 | 1    | Control Lever ASM          |  |  |  |  |
| 8   | 114-0260 | 2    | Shaft-Pivot                |  |  |  |  |
| 9   | 114-0234 | 1    | Motion Control ASM         |  |  |  |  |
| 10  | 103-9928 | 6    | Bearing                    |  |  |  |  |
| 11  | 3296-42  | 3    | Nut-Lock, NI               |  |  |  |  |
| 13  | 114-0268 | 1    | Cam-Lever, Handle Stop     |  |  |  |  |
| 14  | 114-0239 | 1    | Screw-HSH                  |  |  |  |  |
| 15  | 114-0238 | 1    | Lever ASM                  |  |  |  |  |
| 16  | 3296-47  | 1    | Nut-Lock, NI               |  |  |  |  |
| 17  | 114-0241 | 2    | Grip-Lever                 |  |  |  |  |
| 18  | 114-0249 | 1    | Spring-Extension           |  |  |  |  |
| 19  | 1-513152 | 1    | Switch-Closed, Normally    |  |  |  |  |
| 20  | 1-633181 | 1    | Plate-Tapped               |  |  |  |  |
| 21  | 32105-13 | 2    | Screw-HWH                  |  |  |  |  |
| 22  | 3256-22  | 1    | Washer-Flat                |  |  |  |  |
| 23  | 114-3424 | 1    | Decal-Control              |  |  |  |  |
| 24  | 114-3423 | 1    | Decal-Panel, Control       |  |  |  |  |



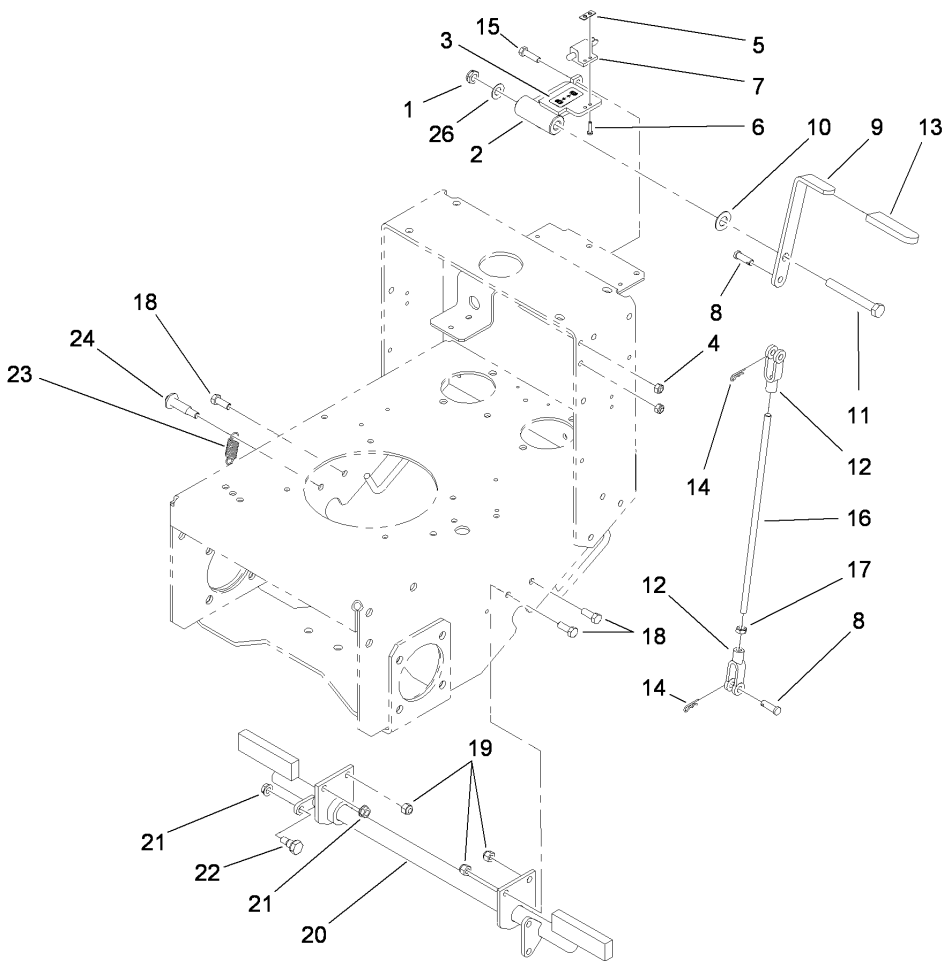
Control Panel Assembly

| Ref  | Part No.    | Qty. | Description          |  |  |  |  |
|------|-------------|------|----------------------|--|--|--|--|
| 1    | 114-0275    | 2    | Rod-Control, Upper   |  |  |  |  |
| 2    | 114-0276    | 2    | Rod-Control, Lower   |  |  |  |  |
| 3    | 114-0279    | 1    | Switch-PTO           |  |  |  |  |
| 4    | 110-4994    | 1    | Cable-Throttle       |  |  |  |  |
| 5    | 104-7050    | 1    | Housing-Manual       |  |  |  |  |
| 6    | 104-8143    | 1    | Hourmeter            |  |  |  |  |
| 7    | 114-0270-03 | 1    | Cover-Panel, Control |  |  |  |  |
| 8    | 2412-120    | 2    | R-Clamp              |  |  |  |  |
| 9    | 95-1504     | 2    | Turnbuckle           |  |  |  |  |
| 10   | 32103-3     | 2    | Nut-Wing             |  |  |  |  |
| 11   | 98-7249     | 2    | Relay                |  |  |  |  |
| 12   | 3290-360    | 4    | Screw-HH             |  |  |  |  |
| 13   | 88-9830     | 1    | Key Switch ASM       |  |  |  |  |
| 13:1 | 3254-5      | 1    | Washer-Tooth         |  |  |  |  |
| 13:2 | 218-461     | 1    | Nut-HH               |  |  |  |  |
| 14   | 32104-76    | 6    | Screw                |  |  |  |  |
| 15   | 3256-23     | 4    | Washer-Flat          |  |  |  |  |
| 16   | 3290-307    | 4    | Pin-Hair             |  |  |  |  |
| 17   | 32105-8     | 2    | Screw-SHH            |  |  |  |  |
| 18   | 3296-2      | 6    | Nut-Lock             |  |  |  |  |
| 19   | 63-8360     | 1    | Key-Ignition         |  |  |  |  |
| 20   | 104-7048    | 1    | Cap-Housing          |  |  |  |  |
| 21   | 110-4995    | 1    | Cable-Choke          |  |  |  |  |
| 22   | 3290-378    | 4    | Tie-Cable            |  |  |  |  |



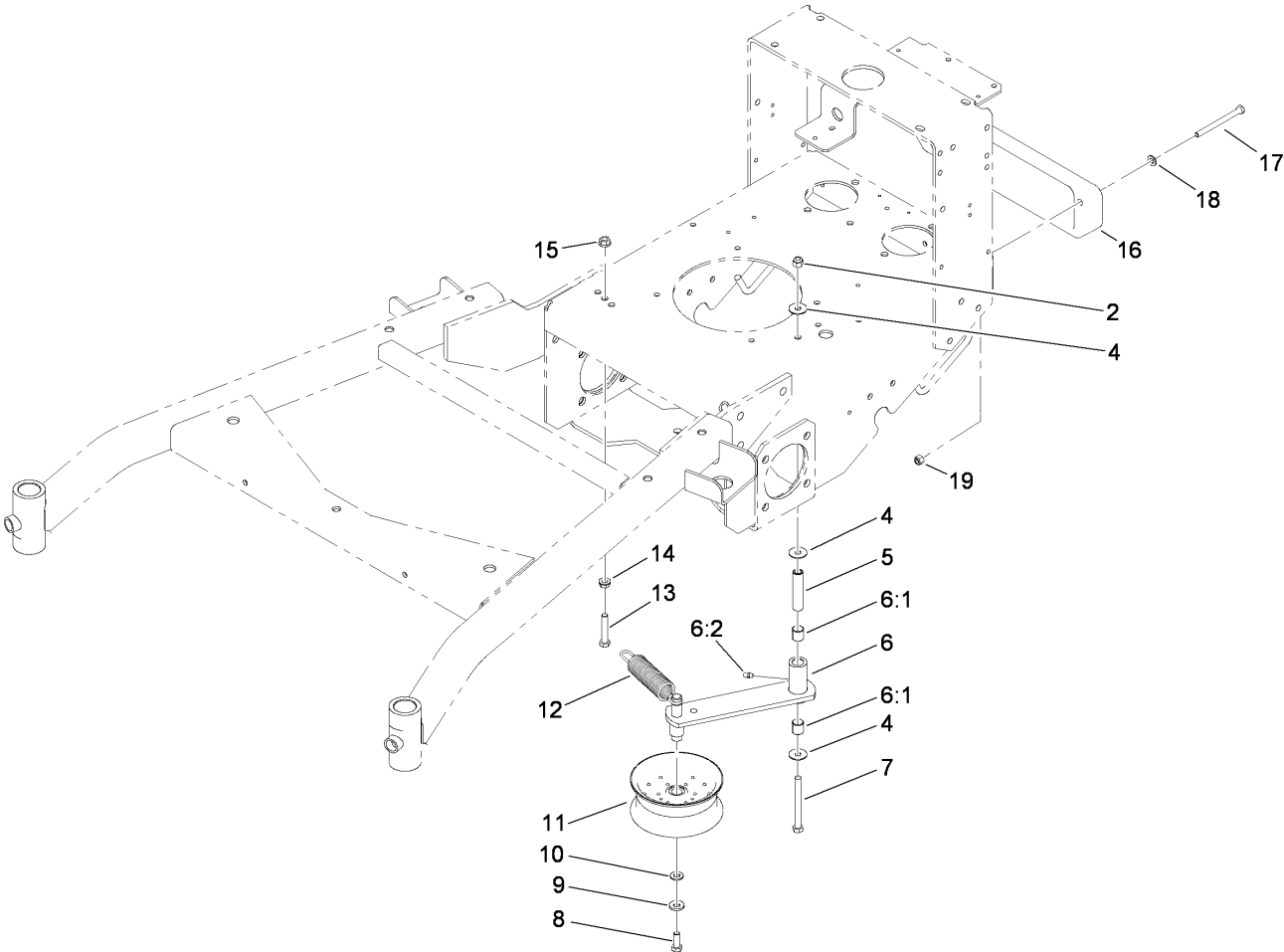
Battery Assembly

| Ref | Part No.    | Qty. | Description              |  |  |  |  |
|-----|-------------|------|--------------------------|--|--|--|--|
| 1   | 3296-42     | 2    | Nut-Lock, NI             |  |  |  |  |
| 2   | 104-8568-03 | 1    | Plate-Hold Down, Battery |  |  |  |  |
| 3   | 3256-2      | 2    | Washer-Flat              |  |  |  |  |
| 4   | 32149-1     | 2    | Nut-Keps                 |  |  |  |  |
| 5   | 112-9709    | 1    | Cable-Battery, Black     |  |  |  |  |
| 6   | 112-9708    | 1    | Cable-Battery, Red       |  |  |  |  |
| 7   | 322-3       | 2    | Screw-HH                 |  |  |  |  |
| 8   | 104-8162    | 1    | Battery                  |  |  |  |  |
| 9   | 62-4300     | 1    | Pad-Skid, Anti           |  |  |  |  |
| 10  | 105-3150-01 | 1    | Battery Tray ASM         |  |  |  |  |
| 11  | 104-8567    | 2    | Holdown-Battery          |  |  |  |  |



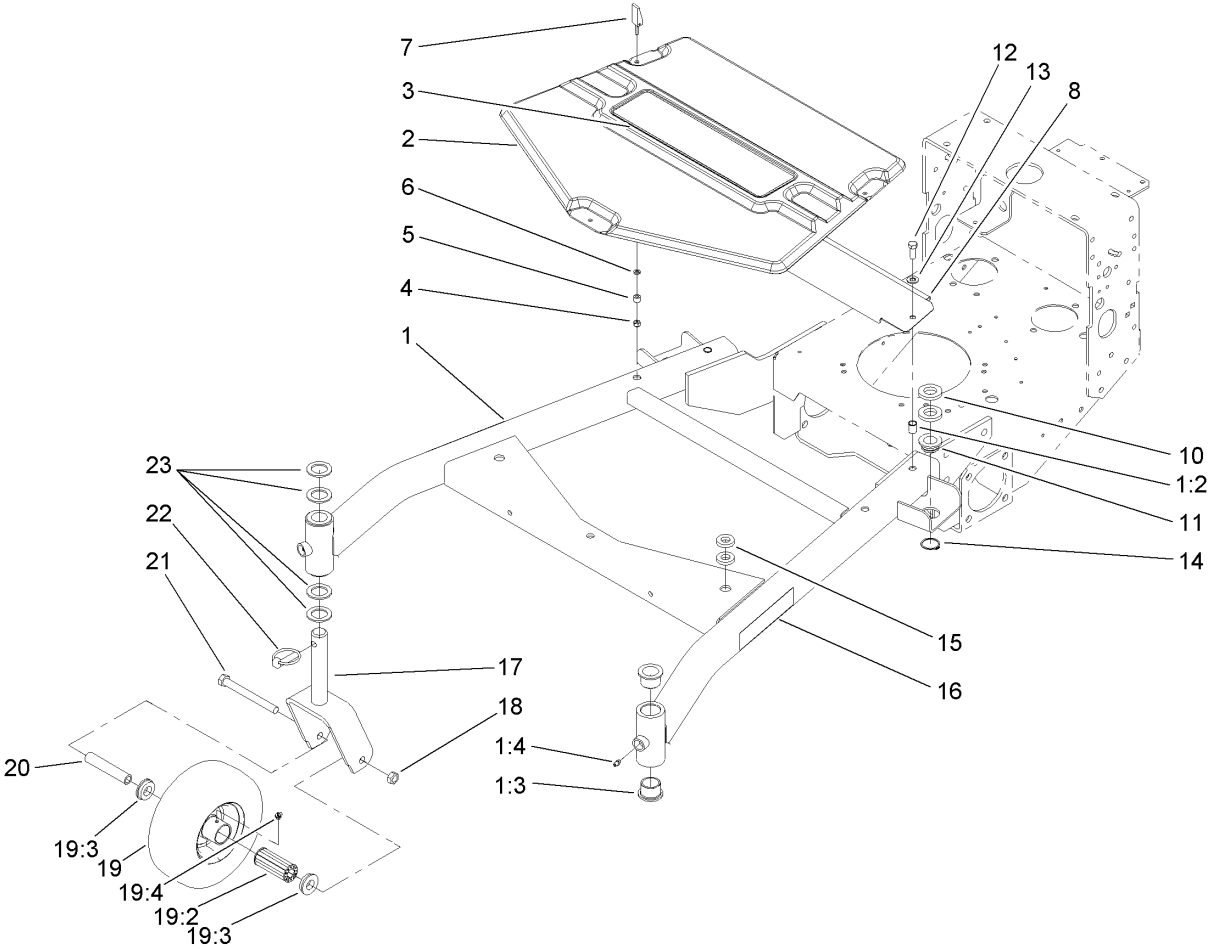
Parking Brake Assembly

| Ref | Part No.    | Qty. | Description             | Ref | Part No. | Qty. | Description            |
|-----|-------------|------|-------------------------|-----|----------|------|------------------------|
| 1   | 3296-45     | 1    | Nut-Lock, NI            | 26  | 112-9972 | 1    | Washer-Conical, Spring |
| 2   | 112-8716-01 | 1    | Support-Handle          |     |          |      |                        |
| 3   | 112-8720    | 1    | Decal-Brake             |     |          |      |                        |
| 4   | 3296-29     | 2    | Nut-Lock, NI            |     |          |      |                        |
| 5   | 1-633181    | 1    | Plate-Tapped            |     |          |      |                        |
| 6   | 32105-13    | 2    | Screw-HWH               |     |          |      |                        |
| 7   | 1-513152    | 1    | Switch-Closed, Normally |     |          |      |                        |
| 8   | 1-808285    | 2    | Pin-Clevis              |     |          |      |                        |
| 9   | 106-0671-01 | 1    | Handle-Brake            |     |          |      |                        |
| 10  | 257-7       | 1    | Bearing-Thrust          |     |          |      |                        |
| 11  | 325-17      | 1    | Screw-HH                |     |          |      |                        |
| 12  | 1-633131    | 2    | Yoke-Linkage, Brake     |     |          |      |                        |
| 13  | 1-303020    | 1    | Grip-Lever              |     |          |      |                        |
| 14  | 3290-307    | 2    | Pin-Hair                |     |          |      |                        |
| 15  | 322-6       | 2    | Screw-HH                |     |          |      |                        |
| 16  | 108-2747    | 1    | Rod-Brake               |     |          |      |                        |
| 17  | 3220-3      | 1    | Nut-HJ                  |     |          |      |                        |
| 18  | 323-6       | 3    | Screw-HH                |     |          |      |                        |
| 19  | 3296-39     | 3    | Nut-Lock, NI            |     |          |      |                        |
| 20  | 110-4976-01 | 1    | Parking Brake ASM       |     |          |      |                        |
| 21  | 3290-357    | 2    | Nut-HHF, Whiz           |     |          |      |                        |
| 22  | 27-5240     | 1    | Bolt-Shoulder           |     |          |      |                        |
| 23  | 613386      | 1    | Spring-Brake            |     |          |      |                        |
| 24  | 56-6590     | 1    | Bolt-Wheel              |     |          |      |                        |



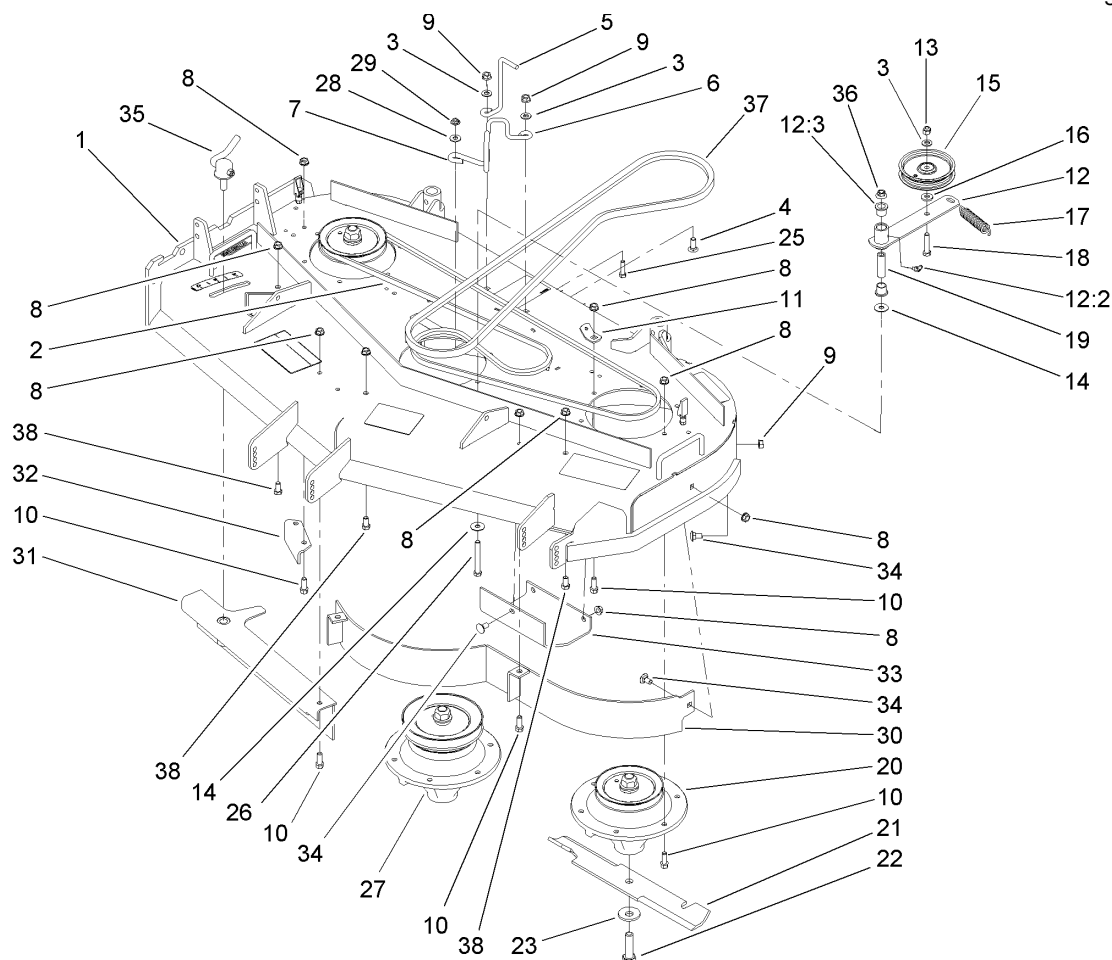
**Power-Take-Off Idler and Weight Assembly**

| Ref | Part No.    | Qty. | Description       |  |  |  |  |
|-----|-------------|------|-------------------|--|--|--|--|
| 2   | 3296-39     | 1    | Nut-Lock, NI      |  |  |  |  |
| 4   | 52-2860     | 3    | Washer            |  |  |  |  |
| 5   | 104-6377    | 1    | Tube-Idler        |  |  |  |  |
| 6   | 108-2734    | 1    | Idler Arm ASM     |  |  |  |  |
| 6:1 | 1-513034    | 2    | Sleeve-Bearing    |  |  |  |  |
| 6:2 | 302-5       | 1    | Fitting-Grease    |  |  |  |  |
| 7   | 323-42      | 1    | Screw-HH          |  |  |  |  |
| 8   | 323-6       | 1    | Screw-HH          |  |  |  |  |
| 9   | 98-5975     | 1    | Washer-Belleville |  |  |  |  |
| 10  | 3256-24     | 1    | Washer-Flat       |  |  |  |  |
| 11  | 1-413099    | 1    | Pulley-Idler      |  |  |  |  |
| 12  | 105-8443    | 1    | Spring-Extension  |  |  |  |  |
| 13  | 323-10      | 1    | Screw-HH          |  |  |  |  |
| 14  | 3290-357    | 1    | Nut-HHF, Whiz     |  |  |  |  |
| 15  | 32128-21    | 1    | Nut-HF            |  |  |  |  |
| 16  | 112-7059-01 | 1    | Weight-Cast       |  |  |  |  |
| 17  | 322-9       | 2    | Screw-HH          |  |  |  |  |
| 18  | 3256-23     | 2    | Washer-Flat       |  |  |  |  |
| 19  | 3296-29     | 2    | Nut-Lock, NI      |  |  |  |  |



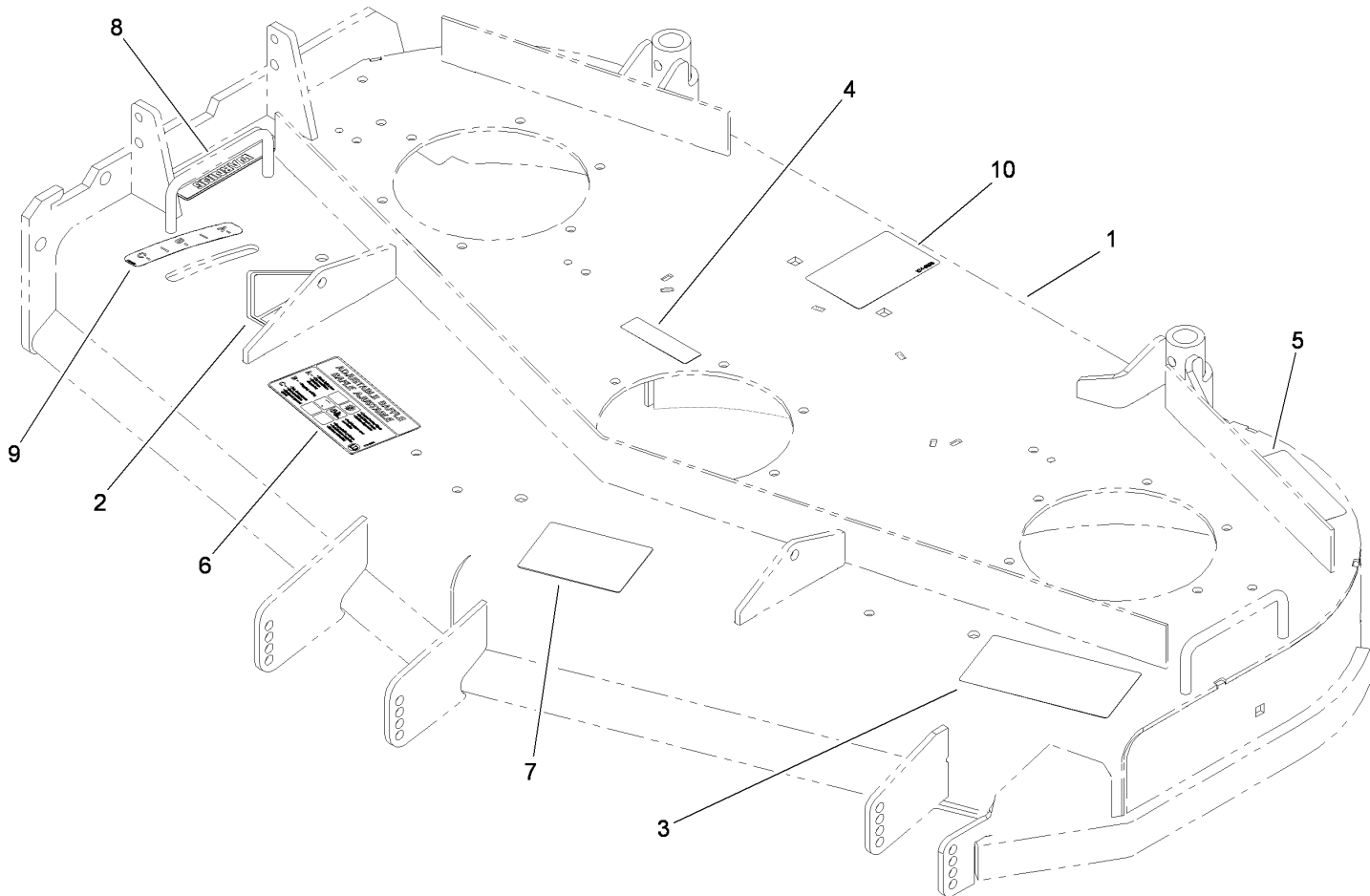
Carrier Frame Assembly

| Ref  | Part No.    | Qty. | Description          | Ref | Part No. | Qty. | Description     |
|------|-------------|------|----------------------|-----|----------|------|-----------------|
| 1    | 108-2665    | 1    | Carrier Frame ASM    | 20  | 100-6453 | 2    | Bushing-Spanner |
| 1:2  | 32148-9     | 2    | Insert-Nut           | 21  | 325-19   | 2    | Screw-HH        |
| 1:3  | 94-1291     | 4    | Bushing              | 22  | 283-71   | 2    | Pin-Lynch       |
| 1:4  | 302-5       | 2    | Fitting-Grease       | 23  | 3-6781   | 8    | Washer-Thrust   |
| 2    | 108-6625    | 1    | Cover-Frame, Carrier |     |          |      |                 |
| 3    | 112-9712    | 1    | Decal                |     |          |      |                 |
| 4    | 1-804254    | 3    | Nut                  |     |          |      |                 |
| 5    | 106-6778    | 3    | Bushing-Latch, Swell |     |          |      |                 |
| 6    | 99-3058     | 3    | Washer               |     |          |      |                 |
| 7    | 106-6777    | 3    | Handle-Latch, Swell  |     |          |      |                 |
| 8    | 112-7051-01 | 1    | Shield-Belt          |     |          |      |                 |
| 10   | 104-1105    | 4    | Spacer-Support, Deck |     |          |      |                 |
| 11   | 1-513336    | 2    | Bushing-Deck         |     |          |      |                 |
| 12   | 323-6       | 2    | Screw-HH             |     |          |      |                 |
| 13   | 3256-24     | 2    | Washer-Flat          |     |          |      |                 |
| 14   | 32120-33    | 2    | Ring-Retaining       |     |          |      |                 |
| 15   | 1-323539    | 4    | Spacer               |     |          |      |                 |
| 16   | 106-0635    | 2    | Decal-HOC            |     |          |      |                 |
| 17   | 105-3159-01 | 2    | Castor Fork ASM      |     |          |      |                 |
| 18   | 32153-5     | 2    | Nut-Lock, Side       |     |          |      |                 |
| 19   | 110-5024    | 2    | Wheel And Tire ASM   |     |          |      |                 |
| 19:2 | 112-7066    | 1    | Bearing-Roller       |     |          |      |                 |
| 19:3 | 1-513810    | 2    | Bushing              |     |          |      |                 |
| 19:4 | 302-61      | 1    | Zerk                 |     |          |      |                 |



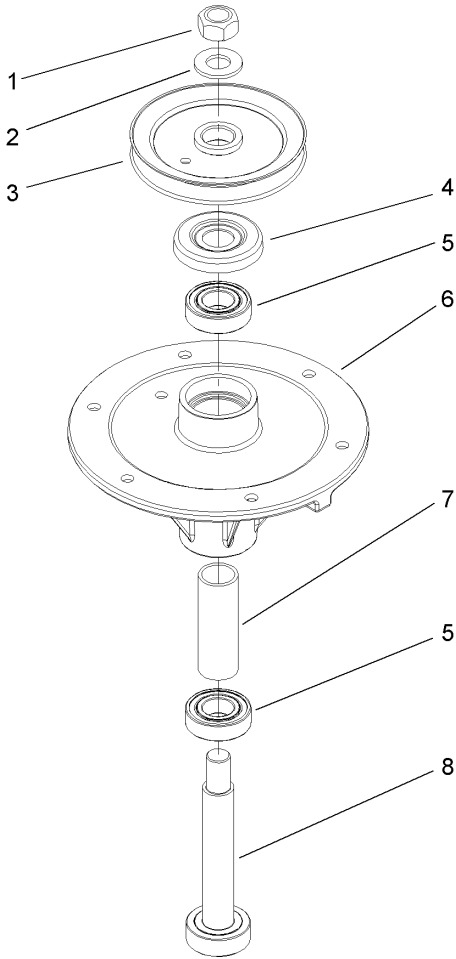
## Deck Drive and Baffle Assembly

| Ref  | Part No.    | Qty. | Description                 | Ref | Part No.    | Qty. | Description              |
|------|-------------|------|-----------------------------|-----|-------------|------|--------------------------|
| 1    | 112-7082    | 1    | Deck ASM                    | 23  | 103-0865    | 3    | Washer-Blade Bolt, Heavy |
| 2    | 108-2716    | 1    | Belt-V                      | 25  | 322-6       | 1    | Screw-HH                 |
| 3    | 3256-24     | 3    | Washer-Flat                 | 26  | 323-14      | 1    | Screw-HH                 |
| 4    | 3231-22     | 2    | Screw-CARR                  | 27  | 110-0729    | 1    | Spindle ASM              |
| 5    | 98-5980     | 1    | Guide-Belt                  | 28  | 3256-3      | 1    | Washer-Flat              |
| 6    | 110-6975    | 1    | Guide-Belt                  | 29  | 32128-13    | 1    | Nut-HF                   |
| 7    | 105-0850    | 1    | Guide-Belt                  | 30  | 110-0735-03 | 1    | Baffle ASM               |
| 8    | 3290-357    | 29   | Nut-HHF, Whiz               | 31  | 108-6698-03 | 1    | Adjustable Baffle ASM    |
| 9    | 32128-21    | 5    | Nut-HF                      | 32  | 110-0744-01 | 1    | Baffle-Discharge         |
| 10   | 92-1624     | 22   | Screw                       | 33  | 107-3166-01 | 1    | Skid                     |
| 11   | 104-6374    | 1    | Plate-Spring                | 34  | 3231-1      | 7    | Screw-CARR               |
| 12   | 108-2728    | 1    | Idler Arm ASM               | 35  | 107-1664    | 1    | Lever ASM                |
| 12:2 | 302-11      | 1    | Fitting-Lube, 45 DEG        | 36  | 32128-19    | 1    | Nut-HF                   |
| 12:3 | 256-90      | 2    | Bushing-Flange              | 37  | 108-2715    | 1    | Belt-V                   |
| 13   | 3296-39     | 1    | Nut-Lock, NI                | 38  | 323-4       | 3    | Screw-HH                 |
| 14   | 52-2860     | 2    | Washer                      |     |             |      |                          |
| 15   | 93-1622     | 1    | Pulley-Idler                |     |             |      |                          |
| 16   | 9202414     | 1    | Washer-Spacer               |     |             |      |                          |
| 17   | 51-3650     | 1    | Spring-Extension            |     |             |      |                          |
| 18   | 323-9       | 1    | Screw-HH                    |     |             |      |                          |
| 19   | 112-7091    | 1    | Spacer                      |     |             |      |                          |
| 20   | 110-0728    | 2    | Spindle ASM                 |     |             |      |                          |
| 21   | 107-3192-03 | 3    | Blade-16.5 Inch (High Flow) |     |             |      |                          |
| 22   | 51-4060     | 3    | Screw-Blade                 |     |             |      |                          |



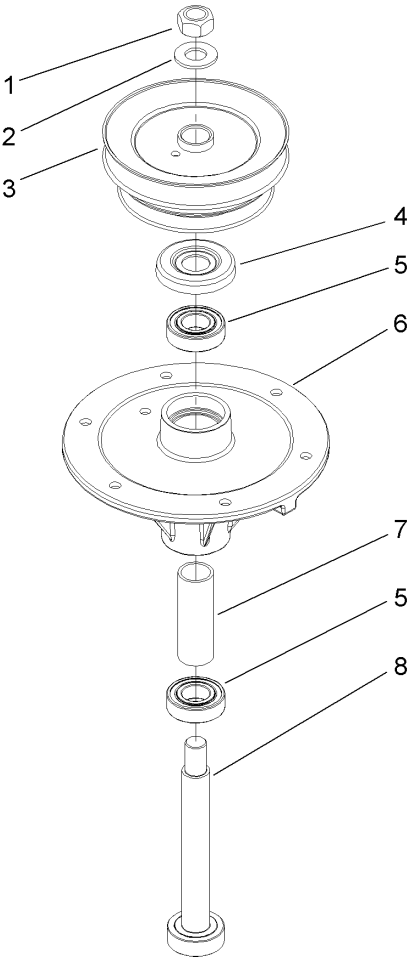
Deck Assembly No. 112-7082

| Ref | Part No. | Qty. | Description              |  |  |  |  |
|-----|----------|------|--------------------------|--|--|--|--|
| 1   |          | 1    | 48 Inch Deck ASM         |  |  |  |  |
| 2   | 43-8480  | 1    | Decal-Danger             |  |  |  |  |
| 3   | 66-1340  | 1    | Decal-Danger             |  |  |  |  |
| 4   | 98-5954  | 3    | Decal-Cover, Missing     |  |  |  |  |
| 5   | 68-8340  | 1    | Decal-Torque             |  |  |  |  |
| 6   | 110-2068 | 1    | Decal-Adjustment, Baffle |  |  |  |  |
| 7   | 105-7798 | 1    | Decal-Scalp, Anti        |  |  |  |  |
| 8   | 104-8569 | 1    | Decal-Warning            |  |  |  |  |
| 9   | 110-2067 | 1    | Decal-Setting, Baffle    |  |  |  |  |
| 10  | 104-8186 | 1    | Decal-Routing, Belt      |  |  |  |  |



Spindle Assembly No. 110-0728

| Ref | Part No. | Qty. | Description     |  |  |  |  |
|-----|----------|------|-----------------|--|--|--|--|
| 1   | 3219-7   | 1    | Nut-Hex         |  |  |  |  |
| 2   | 7-4150   | 1    | Washer          |  |  |  |  |
| 3   | 104-1181 | 1    | Pulley ASM      |  |  |  |  |
| 4   | 106-0873 | 1    | Shield-Bearing  |  |  |  |  |
| 5   | 104-6325 | 2    | Bearing         |  |  |  |  |
| 6   | 108-6696 | 1    | Housing-Spindle |  |  |  |  |
| 7   | 110-0727 | 1    | Spacer-Bearing  |  |  |  |  |
| 8   | 110-0726 | 1    | Shaft-Spindle   |  |  |  |  |



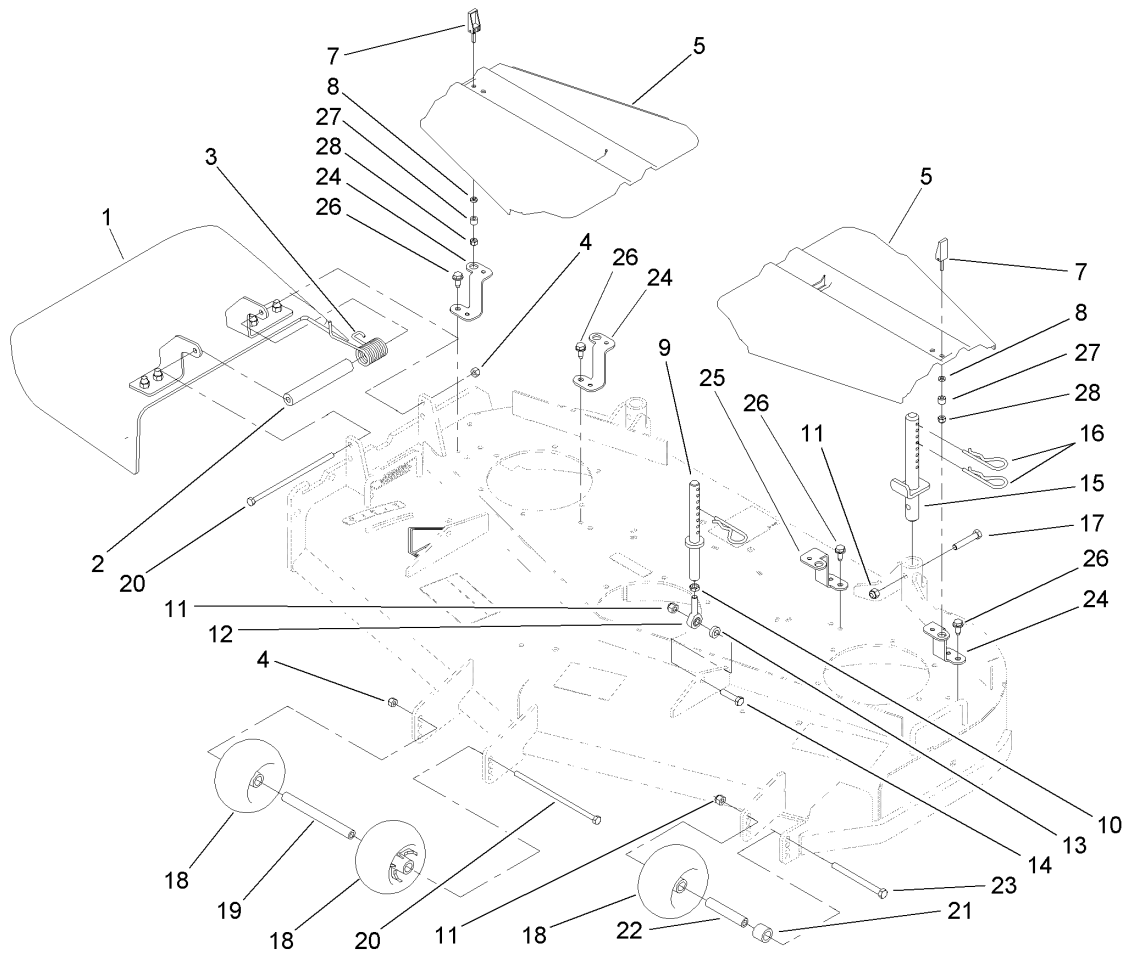
**Spindle Assembly No. 110-0729**

| Ref | Part No. | Qty. | Description        |  |  |  |  |
|-----|----------|------|--------------------|--|--|--|--|
| 1   | 3219-7   | 1    | Nut-Hex            |  |  |  |  |
| 2   | 7-4150   | 1    | Washer             |  |  |  |  |
| 3   | 108-2713 | 1    | Pulley And Hub ASM |  |  |  |  |
| 4   | 106-0873 | 1    | Shield-Bearing     |  |  |  |  |
| 5   | 104-6325 | 2    | Bearing            |  |  |  |  |
| 6   | 108-6696 | 1    | Housing-Spindle    |  |  |  |  |
| 7   | 110-0727 | 1    | Spacer-Bearing     |  |  |  |  |
| 8   | 110-0725 | 1    | Shaft-Spindle      |  |  |  |  |

# Lever Assembly No. 107-1664

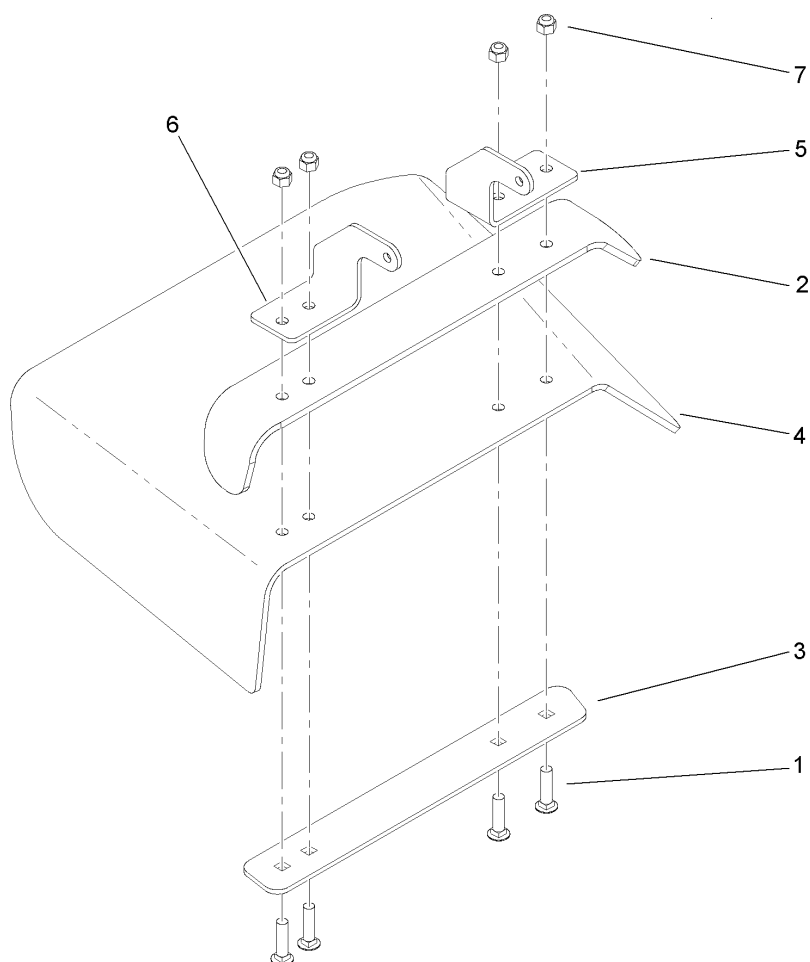
| Ref | Part No. | Qty. | Description  |
|-----|----------|------|--------------|
| 1   | 106-3239 | 1    | Screw-Lock   |
| 2   | 107-1644 | 1    | Cap-Lock     |
| 3   | 106-3241 | 1    | Lever-Lock   |
| 4   | 3296-29  | 1    | Nut-Lock, NI |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |



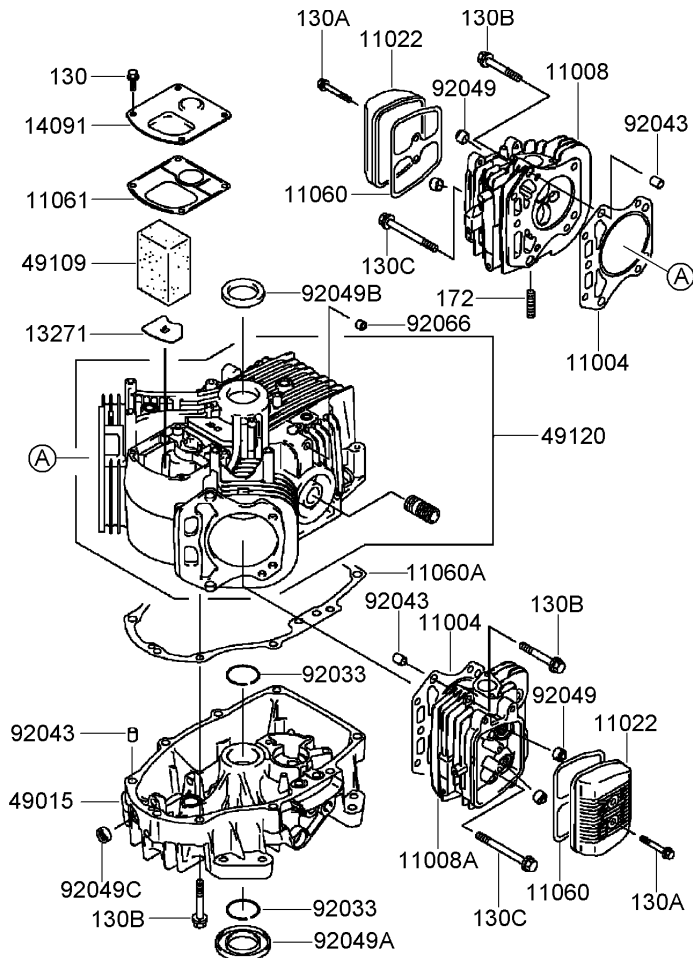
Deck Assembly

| Ref | Part No.    | Qty. | Description         | Ref | Part No. | Qty. | Description          |
|-----|-------------|------|---------------------|-----|----------|------|----------------------|
| 1   | 110-0758    | 1    | Deflector ASM       | 26  | 32144-70 | 4    | Screw-HWHTF          |
| 2   | 105-4622    | 1    | Spacer              | 27  | 106-6778 | 2    | Bushing-Latch, Swell |
| 3   | 104-8554    | 1    | Spring-Torsion      | 28  | 1-804254 | 2    | Nut                  |
| 4   | 3296-29     | 2    | Nut-Lock, NI        |     |          |      |                      |
| 5   | 107-8536    | 2    | Cover-Belt          |     |          |      |                      |
| 7   | 106-6777    | 2    | Handle-Latch, Swell |     |          |      |                      |
| 8   | 99-3058     | 2    | Washer              |     |          |      |                      |
| 9   | 108-2674    | 2    | Front Pin ASM       |     |          |      |                      |
| 10  | 3220-3      | 2    | Nut-HJ              |     |          |      |                      |
| 11  | 3296-39     | 5    | Nut-Lock, NI        |     |          |      |                      |
| 12  | 1-613204    | 2    | Balljoint           |     |          |      |                      |
| 13  | 104-1156    | 2    | Spacer              |     |          |      |                      |
| 14  | 323-8       | 2    | Screw-HH            |     |          |      |                      |
| 15  | 110-2086    | 2    | Rear Pin ASM        |     |          |      |                      |
| 16  | 3290-256    | 6    | Pin-Hair            |     |          |      |                      |
| 17  | 323-10      | 2    | Screw-HH            |     |          |      |                      |
| 18  | 1-603299    | 3    | Roller-Scalp, Anti  |     |          |      |                      |
| 19  | 98-5967     | 1    | Spacer-Wheel        |     |          |      |                      |
| 20  | 322-50      | 2    | Screw-HH            |     |          |      |                      |
| 21  | 98-7913     | 1    | Tube-Spacer         |     |          |      |                      |
| 22  | 98-7912     | 1    | Tube-Spanner        |     |          |      |                      |
| 23  | 323-23      | 1    | Screw-HH            |     |          |      |                      |
| 24  | 108-2698-01 | 3    | Bracket-Cover       |     |          |      |                      |
| 25  | 108-2699-01 | 1    | Bracket-Cover       |     |          |      |                      |



# Deflector Assembly No. 110-0758

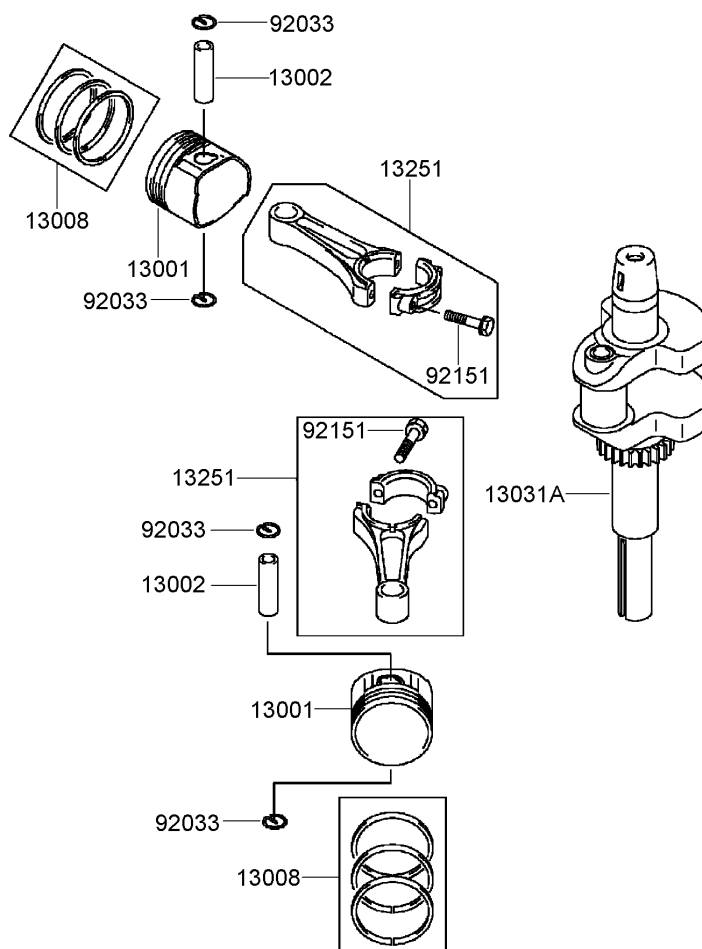
| Ref | Part No.    | Qty. | Description          |
|-----|-------------|------|----------------------|
| 1   | 3231-4      | 4    | Screw-CARR           |
| 2   | 106-3246-01 | 1    | Deflector            |
| 3   | 106-3248-03 | 1    | Strap-Discharge      |
| 4   | 110-0759    | 1    | Deflector-Rubber     |
| 5   | 107-4197-01 | 1    | Bracket-Hinge, Rear  |
| 6   | 107-4196-01 | 1    | Bracket-Hinge, Front |
| 7   | 3296-39     | 4    | Nut-Lock, NI         |



## Cylinder and Crankcase Assembly

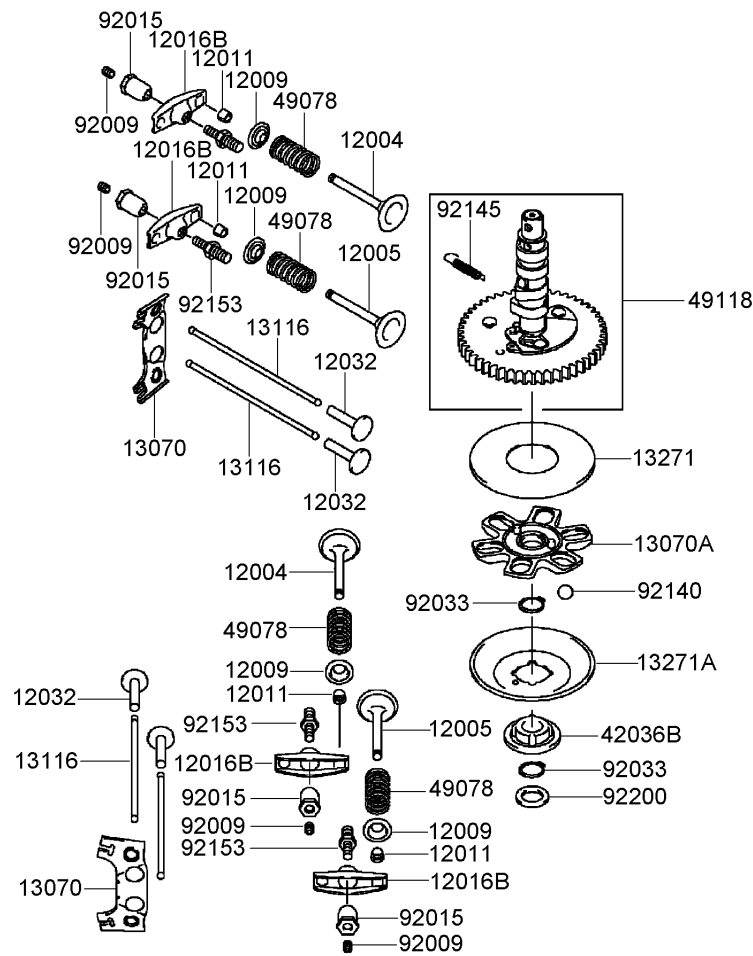
### Kawasaki FH580V-DS28

| Ref     | Part No.   | Qty. | Description                   |  |  |  |  |
|---------|------------|------|-------------------------------|--|--|--|--|
| ❶11004  | 11004-7016 | 2    | Gasket-Head                   |  |  |  |  |
| ❶11008  | 11008-6043 | 1    | Head-Cylinder, No. 1          |  |  |  |  |
| ❶11008A | 11008-7020 | 1    | Head-Cylinder, No. 2          |  |  |  |  |
| ❶11022  | 11022-7003 | 2    | Case-Rocker                   |  |  |  |  |
| ❶11060  | 11060-7001 | 2    | Gasket-Case, Rocker           |  |  |  |  |
| ❶11060A | 11060-7008 | 1    | Gasket-Cover, Crankcase       |  |  |  |  |
| ❶11061  | 11061-7001 | 1    | Gasket-Breather               |  |  |  |  |
| ❶13271  | 13271-7016 | 1    | Plate                         |  |  |  |  |
| ❶14091  | 14091-7006 | 1    | Cover                         |  |  |  |  |
| ❶49015  | 49015-6253 | 1    | Cover-Crankcase               |  |  |  |  |
| ❶49109  | 49109-7002 | 1    | Element-Breather              |  |  |  |  |
| ❶49120  | 49120-7023 | 1    | Crankcase                     |  |  |  |  |
| ❶92033  | 92033-7003 | 2    | Ring-Snap                     |  |  |  |  |
| ❶92043  | 92043-7001 | 6    | Pin                           |  |  |  |  |
| ❶92049  | 92049-7001 | 4    | Seal-Oil, R V C2 (6X11X10.2)  |  |  |  |  |
| ❶92049A | 92049-7015 | 1    | Seal-Oil, S D (35X62X8 L HSH) |  |  |  |  |
| ❶92049B | 92049-7016 | 1    | Seal-Oil, S D (35X48X8 R HSH) |  |  |  |  |
| ❶92049C | 92049-7019 | 1    | Seal-Oil, S O (8X14X5 HSH)    |  |  |  |  |
| ❶92066  | 92066-7002 | 1    | Plug                          |  |  |  |  |
| ❶130    | 130B0612   | 4    | Bolt-Flanged (6X12)           |  |  |  |  |
| ❶130A   | 130B0640   | 4    | Bolt-Flanged (6X40)           |  |  |  |  |
| ❶130B   | 130T0850   | 17   | Bolt-Flanged (8X50)           |  |  |  |  |
| ❶130C   | 130T0875   | 2    | Bolt-Flanged (8X75)           |  |  |  |  |
| ❶172    | 172G0818   | 4    | Bolt-Stud (8X18)              |  |  |  |  |



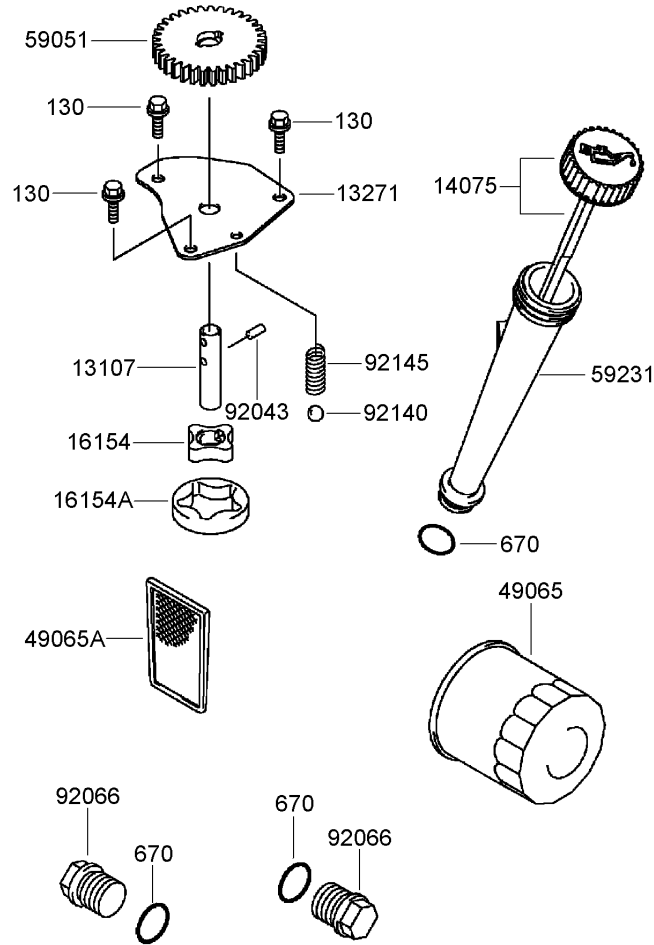
## Piston and Crankshaft Assembly Kawasaki FH580V-DS28

| Ref     | Part No.   | Qty. | Description        |  |  |  |  |
|---------|------------|------|--------------------|--|--|--|--|
| ③13001  | 13001-7010 | 2    | Piston-Engine      |  |  |  |  |
| ③13002  | 13002-7001 | 2    | Pin-Piston         |  |  |  |  |
| ③13008  | 13008-6060 | 2    | Ring Set-Piston    |  |  |  |  |
| ③13031A | 13031-7073 | 1    | Crankshaft         |  |  |  |  |
| ③13251  | 13251-7010 | 2    | Connecting Rod ASM |  |  |  |  |
| ③92033  | 92033-7005 | 4    | Ring-Snap          |  |  |  |  |
| ③92151  | 92151-7017 | 4    | Bolt (6X35)        |  |  |  |  |



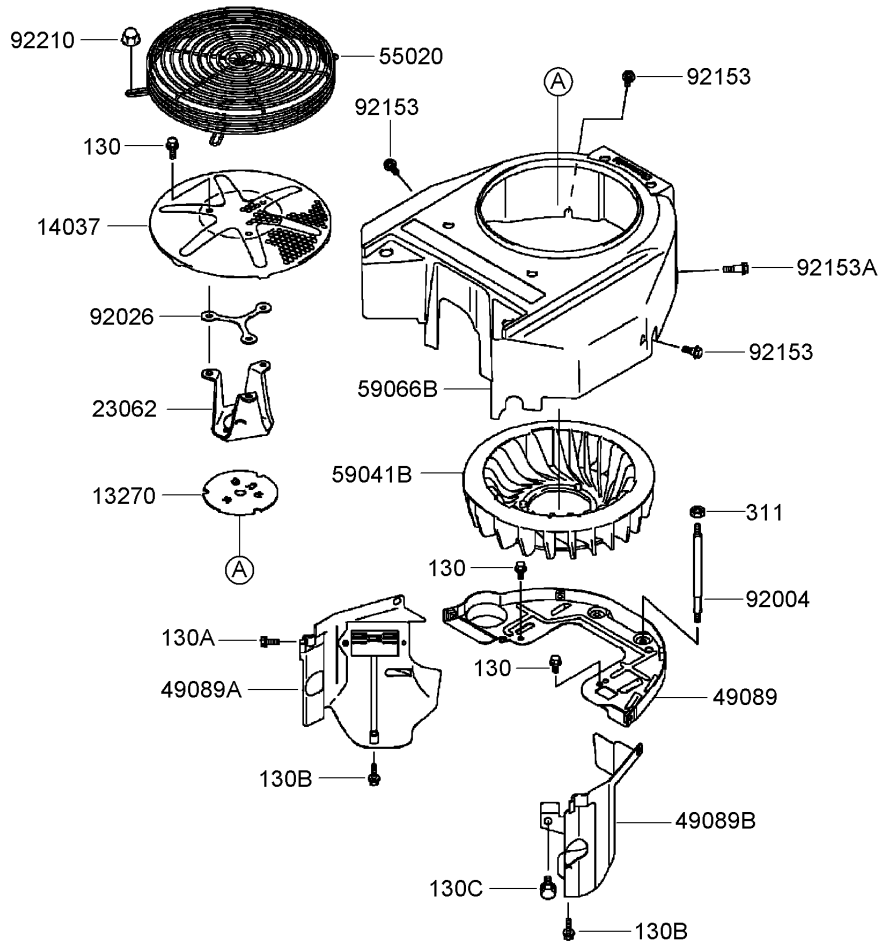
# Valve and Camshaft Assembly Kawasaki FH580V-DS28

| Ref     | Part No.   | Qty. | Description            |  |  |  |  |
|---------|------------|------|------------------------|--|--|--|--|
| ❶12004  | 12004-7003 | 2    | Valve-Intake           |  |  |  |  |
| ❶12005  | 12005-7003 | 2    | Valve-Exhaust          |  |  |  |  |
| ❶12009  | 12009-7001 | 4    | Retainer-Spring, Valve |  |  |  |  |
| ❶12011  | 12011-2056 | 8    | Collet                 |  |  |  |  |
| ❶12016B | 12016-7008 | 4    | Arm-Rocker             |  |  |  |  |
| ❶12032  | 12032-7001 | 4    | Tappet                 |  |  |  |  |
| ❶13070  | 13070-7001 | 2    | Guide                  |  |  |  |  |
| ❶13070A | 13070-7004 | 1    | Guide                  |  |  |  |  |
| ❶13116  | 13116-2057 | 4    | Rod-Push               |  |  |  |  |
| ❶13271  | 13271-7007 | 1    | Plate                  |  |  |  |  |
| ❶13271A | 13271-7021 | 1    | Plate-Governor         |  |  |  |  |
| ❶42036B | 42036-7010 | 1    | Sleeve                 |  |  |  |  |
| ❶49078  | 49078-7001 | 4    | Spring-Valve, Engine   |  |  |  |  |
| ❶49118  | 49118-7004 | 1    | Camshaft               |  |  |  |  |
| ❶92009  | 92009-2341 | 4    | Screw                  |  |  |  |  |
| ❶92015  | 92015-2253 | 4    | Nut                    |  |  |  |  |
| ❶92033  | 92033-7001 | 2    | Ring-Snap              |  |  |  |  |
| ❶92140  | 92140-7002 | 6    | Ball                   |  |  |  |  |
| ❶92145  | 92145-7001 | 1    | Spring                 |  |  |  |  |
| ❶92153  | 92153-7019 | 4    | Bolt                   |  |  |  |  |
| ❶92200  | 92200-7001 | 1    | Washer                 |  |  |  |  |



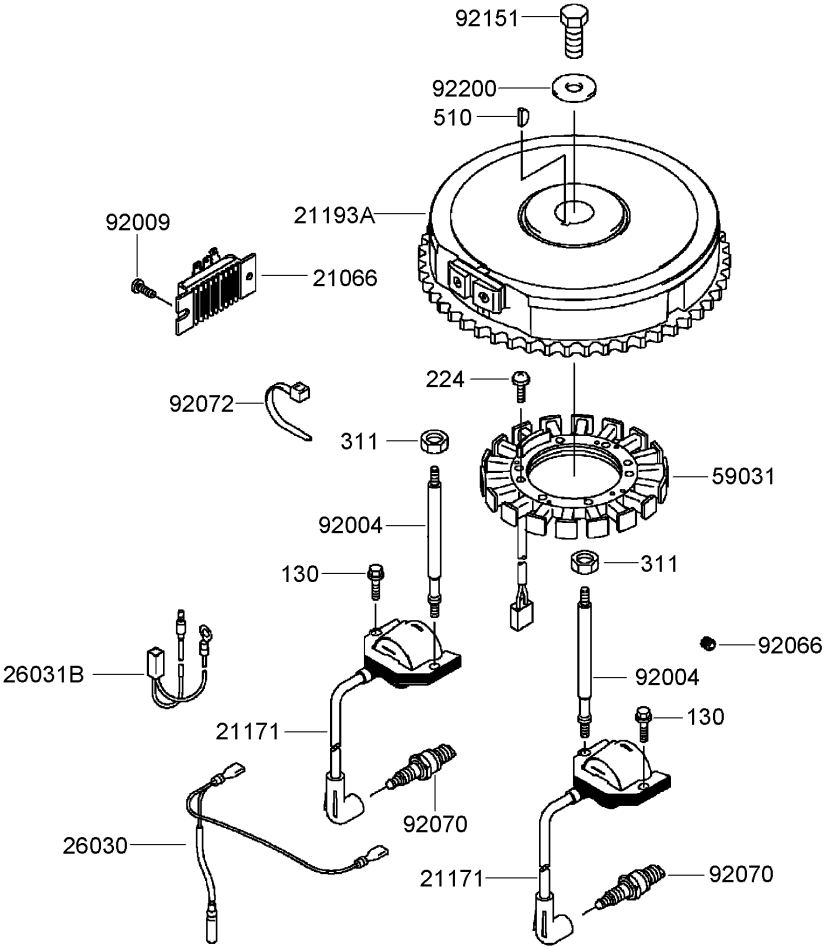
**Lubrication Equipment Assembly**  
**Kawasaki FH580V-DS28**

| Ref     | Part No.   | Qty. | Description         |  |  |  |  |
|---------|------------|------|---------------------|--|--|--|--|
| ❶13107  | 13107-7009 | 1    | Shaft               |  |  |  |  |
| ❶13271  | 13271-7017 | 1    | Plate               |  |  |  |  |
| ❶14075  | 14075-7009 | 1    | Cap ASM             |  |  |  |  |
| ❶16154  | 16154-2053 | 1    | Rotor-Pump (In)     |  |  |  |  |
| ❶16154A | 16154-2054 | 1    | Rotor-Pump (Out)    |  |  |  |  |
| ❶49065  | 49065-2078 | 1    | Filter-Oil          |  |  |  |  |
| ❶49065A | 49065-7004 | 1    | Filter-Oil          |  |  |  |  |
| ❶59051  | 59051-7011 | 1    | Gear-Spur           |  |  |  |  |
| ❶59231  | 59231-7005 | 1    | Filler              |  |  |  |  |
| ❶92043  | 92043-7003 | 2    | Pin                 |  |  |  |  |
| ❶92066  | 92066-7003 | 2    | Plug                |  |  |  |  |
| ❶92140  | 92140-7003 | 1    | Ball                |  |  |  |  |
| ❶92145  | 92145-7002 | 1    | Spring              |  |  |  |  |
| ❶130    | 130B0612   | 3    | Bolt-Flanged (6X12) |  |  |  |  |
| ❶670    | 670D2016   | 3    | O-Ring (16Mm)       |  |  |  |  |



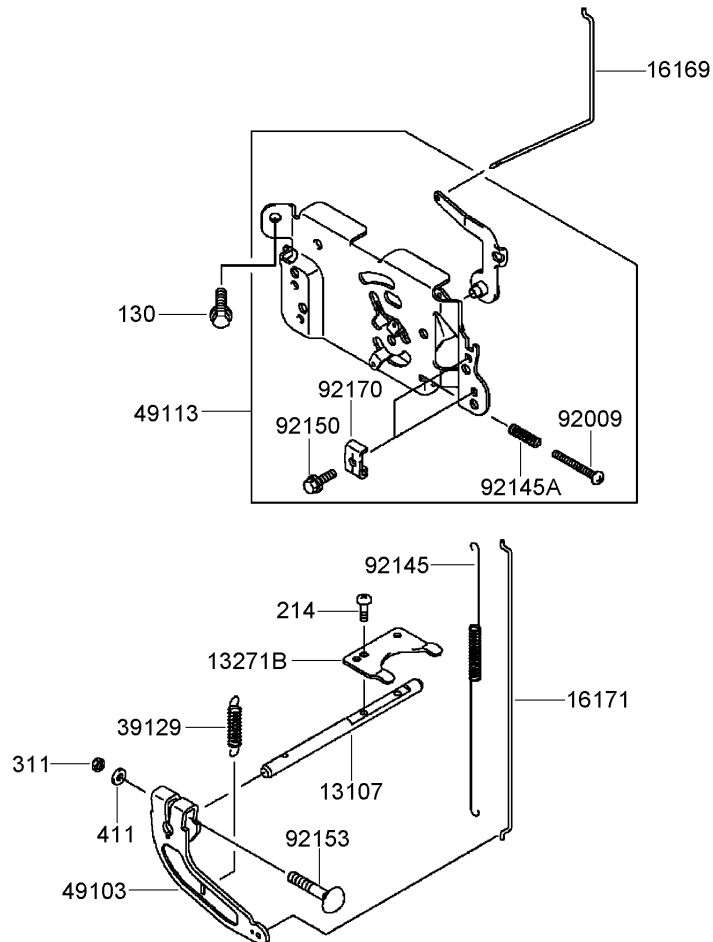
**Cooling Equipment Assembly**  
**Kawasaki FH580V-DS28**

| Ref     | Part No.      | Qty. | Description         |  |  |  |  |
|---------|---------------|------|---------------------|--|--|--|--|
| ❶13270  | 13270-7007    | 1    | Plate               |  |  |  |  |
| ❶14037  | 14037-7020-9H | 1    | Screen              |  |  |  |  |
| ❶23062  | 23062-7010    | 1    | Bracket             |  |  |  |  |
| ❶49089  | 49089-7032    | 1    | Shroud-Engine       |  |  |  |  |
| ❶49089A | 49089-7042    | 1    | Shroud-Engine       |  |  |  |  |
| ❶49089B | 49089-7043    | 1    | Shroud-Engine       |  |  |  |  |
| ❶55020  | 55020-7004    | 1    | Guard               |  |  |  |  |
| ❶59041B | 59041-7012    | 1    | Fan                 |  |  |  |  |
| ❶59066B | 59066-7037    | 1    | Housing-Fan         |  |  |  |  |
| ❶92004  | 92004-7006    | 2    | Stud                |  |  |  |  |
| ❶92026  | 92026-7007    | 1    | Spacer              |  |  |  |  |
| ❶92153  | 92153-7007    | 3    | Bolt                |  |  |  |  |
| ❶92153A | 92153-7008    | 1    | Bolt                |  |  |  |  |
| ❶92210  | 92210-0003    | 4    | Nut                 |  |  |  |  |
| ❶130    | 130B0612      | 5    | Bolt-Flanged (6X12) |  |  |  |  |
| ❶130A   | 130B0616      | 2    | Bolt-Flanged (6X16) |  |  |  |  |
| ❶130B   | 130B0625      | 2    | Bolt-Flanged (6X25) |  |  |  |  |
| ❶130C   | 130B0816      | 1    | Bolt-Flanged (8X16) |  |  |  |  |
| ❶311    | 311B0600      | 2    | Nut-Hex (6Mm)       |  |  |  |  |



**Electric Equipment Assembly**  
**Kawasaki FH580V-DS28**

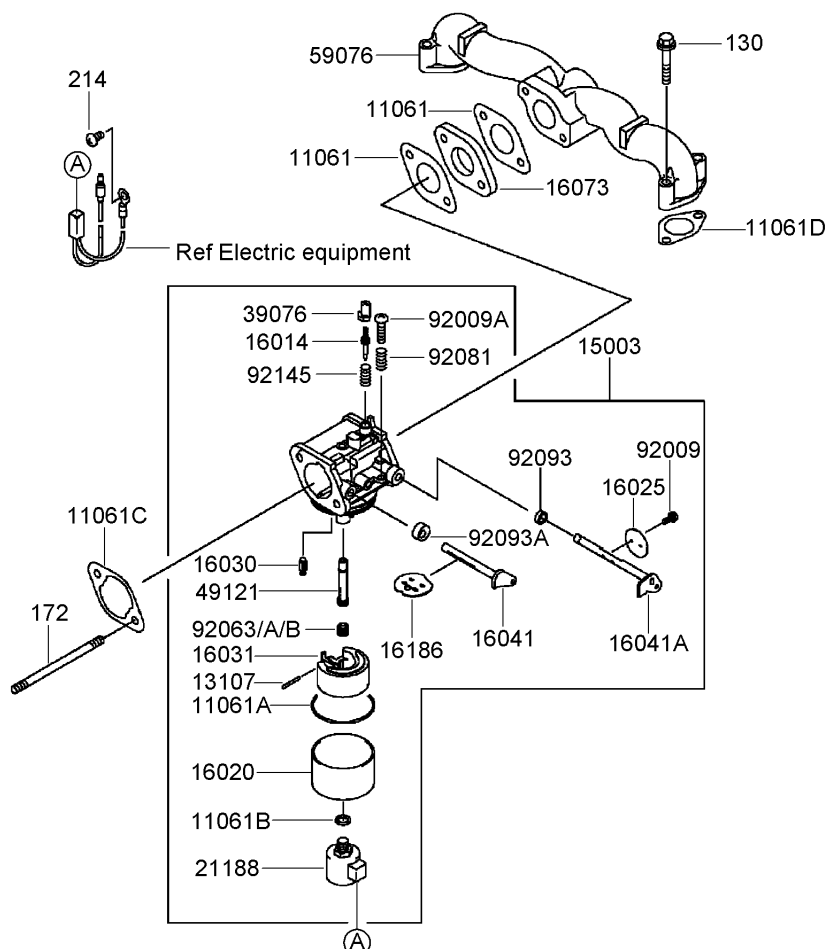
| Ref | Part No. | Qty. | Description                   |  |  |  |  |
|-----|----------|------|-------------------------------|--|--|--|--|
| ❶   | 21066    | 1    | Regulator-Voltage             |  |  |  |  |
| ❷   | 21171    | 2    | Ignition Coil ASM             |  |  |  |  |
| ❸   | 21193A   | 1    | Flywheel-Assy                 |  |  |  |  |
| ❹   | 26030    | 1    | Harness                       |  |  |  |  |
| ❺   | 26031B   | 1    | Harness                       |  |  |  |  |
| ❻   | 59031    | 1    | Coil-Charging                 |  |  |  |  |
| ❼   | 92004    | 2    | Stud                          |  |  |  |  |
| ❽   | 92009    | 1    | Screw                         |  |  |  |  |
| ❾   | 92066    | 1    | Plug                          |  |  |  |  |
| ❿   | 92070    | 2    | Plug-Spark (R C J 8 Y, Solid) |  |  |  |  |
| ⓫   | 92072    | 2    | Band                          |  |  |  |  |
| ⓬   | 92151    | 1    | Bolt (12X30)                  |  |  |  |  |
| ⓭   | 92200    | 1    | Washer                        |  |  |  |  |
| ⓮   | 130      | 2    | Bolt-Flanged (6X20)           |  |  |  |  |
| ⓯   | 224      | 4    | Screw-Pan (5X20)              |  |  |  |  |
| ⓰   | 311      | 2    | Nut-Hex (6Mm)                 |  |  |  |  |
| ⓱   | 510      | 1    | Key-Woodruff                  |  |  |  |  |



# Control Equipment Assembly

## Kawasaki FH580V-DS28

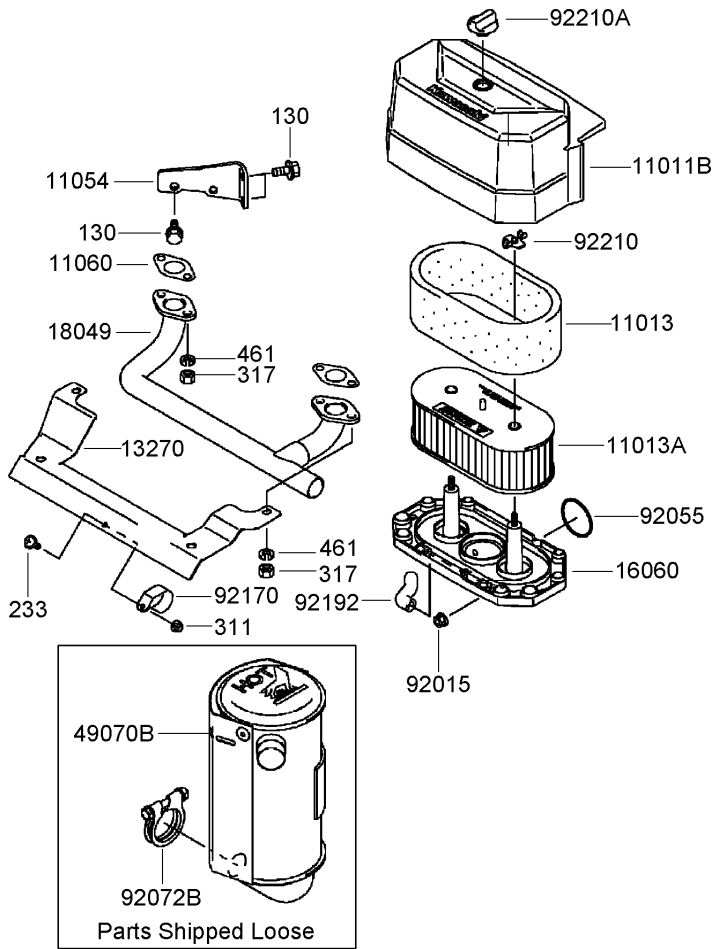
| Ref     | Part No.   | Qty. | Description         |  |  |  |  |
|---------|------------|------|---------------------|--|--|--|--|
| ⑨13107  | 13107-7010 | 1    | Shaft               |  |  |  |  |
| ⑨13271B | 13271-7032 | 1    | Plate               |  |  |  |  |
| ⑨16169  | 16169-7010 | 1    | Link-Choke          |  |  |  |  |
| ⑨16171  | 16171-7001 | 1    | Link                |  |  |  |  |
| ⑨39129  | 39129-7003 | 1    | Spring-Governor     |  |  |  |  |
| ⑨49103  | 49103-7004 | 1    | Arm-Governor        |  |  |  |  |
| ⑨49113  | 49113-7024 | 1    | Panel-Control       |  |  |  |  |
| ⑨92009  | 92009-7007 | 1    | Screw (4X35)        |  |  |  |  |
| ⑨92145  | 92145-7003 | 1    | Spring              |  |  |  |  |
| ⑨92145A | 92145-7005 | 1    | Spring              |  |  |  |  |
| ⑨92150  | 92150-2182 | 2    | Bolt (5X18)         |  |  |  |  |
| ⑨92153  | 92153-7033 | 1    | Bolt (6X35)         |  |  |  |  |
| ⑨92170  | 92170-7001 | 2    | Clamp               |  |  |  |  |
| ⑨130    | 130B0612   | 2    | Bolt-Flanged (6X12) |  |  |  |  |
| ⑨214    | 214B0408   | 2    | Screw-Pan (4X8)     |  |  |  |  |
| ⑨311    | 311B0600   | 1    | Nut-Hex (6Mm)       |  |  |  |  |
| ⑨411    | 411B0600   | 1    | Washer-Plain (6Mm)  |  |  |  |  |



## Carburetor Assembly Kawasaki FH580V-DS28

| Ref     | Part No.   | Qty. | Description                |
|---------|------------|------|----------------------------|
| ①11061  | 11061-7004 | 2    | Gasket-Insulator           |
| ①11061A | 11061-7009 | 1    | Gasket-Chamber             |
| ①11061B | 11061-7010 | 1    | Gasket-Screw               |
| ①11061C | 11061-7018 | 1    | Gasket-Cleaner, Air        |
| ①11061D | 11061-7019 | 2    | Gasket                     |
| ①13107  | 13107-7018 | 1    | Shaft                      |
| ①15003  | 15003-7100 | 1    | Carburetor ASM             |
| ①16014  | 16014-7007 | 1    | Screw-Air, Pilot           |
| ①16020  | 16020-7003 | 1    | Chamber-Float              |
| ①16025  | 16025-7006 | 1    | Valve-Throttle             |
| ①16030  | 16030-7003 | 1    | Valve-Float                |
| ①16031  | 16031-7002 | 1    | Float                      |
| ①16041  | 16041-7016 | 1    | Shaft-Choke, Carburetor    |
| ①16041A | 16041-7018 | 1    | Shaft-Throttle, Carburetor |
| ①16073  | 16073-7007 | 1    | Insulator                  |
| ①16186  | 16186-7004 | 1    | Choke Valve ASM            |
| ①21188  | 21188-7002 | 1    | Solenoid                   |
| ①39076  | 39076-7001 | 1    | Limiter                    |
| ①49121  | 49121-7004 | 1    | Nozzle-Main                |
| ①59076  | 59076-7001 | 1    | Manifold-Intake            |
| ①92009  | 92009-2083 | 2    | Screw                      |
| ①92009A | 92009-2349 | 1    | Screw                      |
| ①92063  | 92063-7037 | 1    | Jet-Main (No. 105)         |
| ①92063A | 92063-7046 | 1    | Jet-Main (No. 100)         |

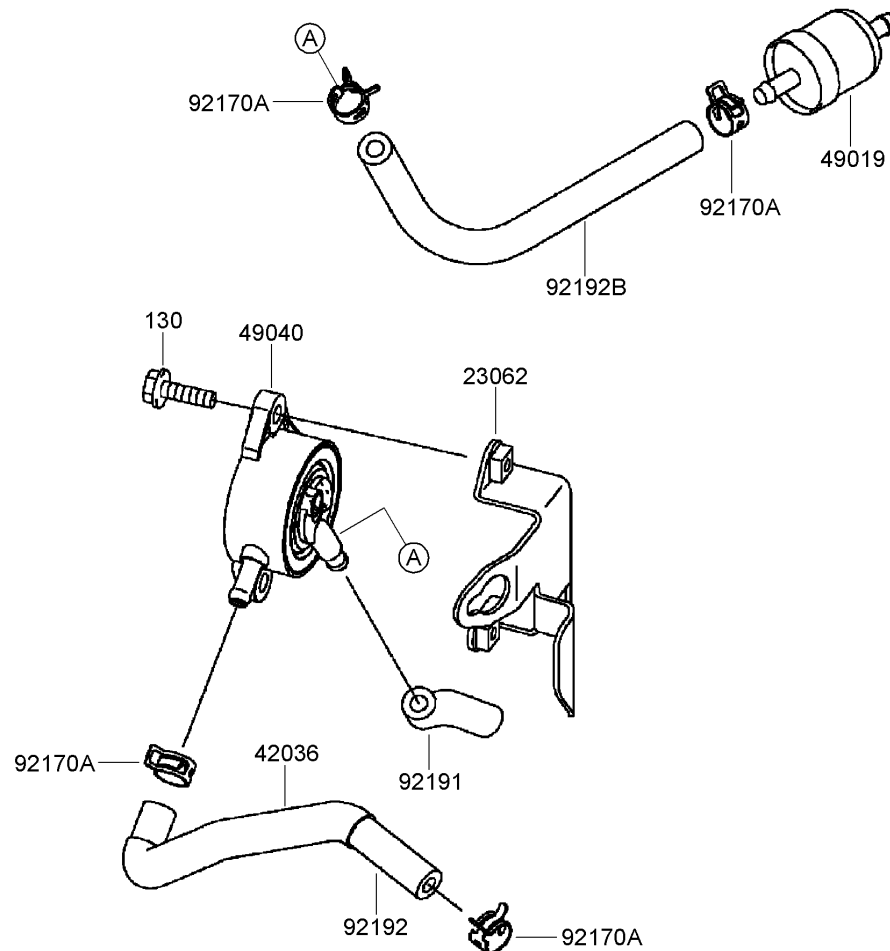
| Ref     | Part No.   | Qty. | Description         |
|---------|------------|------|---------------------|
| ①92063B | 92063-7062 | 1    | Jet-Main No. 110    |
| ①92081  | 92081-2234 | 1    | Spring              |
| ①92093  | 92093-2100 | 1    | Seal                |
| ①92093A | 92093-7003 | 1    | Seal                |
| ①92145  | 92145-7015 | 1    | Spring              |
| ①130    | 130B0635   | 4    | Bolt-Flanged (6X35) |
| ①172    | 172G0690   | 2    | Bolt-Stud (6X90)    |
| ①214    | 214B0510   | 1    | Screw-Pan (5X10)    |



## Air Filter and Muffler Assembly

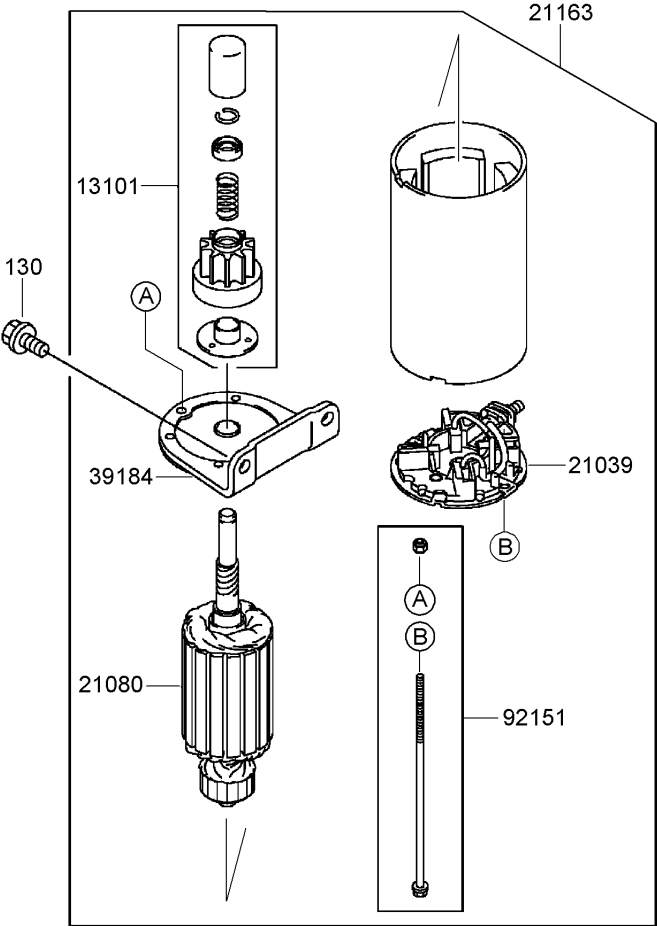
### Kawasaki FH580V-DS28

| Ref     | Part No.      | Qty. | Description          |  |  |  |  |
|---------|---------------|------|----------------------|--|--|--|--|
| ❸11011B | 11011-7046    | 1    | Case-Air Filter      |  |  |  |  |
| ❸11013  | 11013-7025    | 1    | Element-Filter, Air  |  |  |  |  |
| ❸11013A | 11013-7031    | 1    | Element-Filter, Air  |  |  |  |  |
| ❸11054  | 11054-7002-9H | 1    | Bracket              |  |  |  |  |
| ❸11060  | 11060-7021    | 2    | Gasket-Muffler       |  |  |  |  |
| ❸13270  | 13270-7008    | 1    | Plate                |  |  |  |  |
| ❸16060  | 16060-7016    | 1    | Pipe-Intake          |  |  |  |  |
| ❸18049  | 18049-7001    | 1    | Pipe-Exhaust         |  |  |  |  |
| ❸49070B | 49070-7021    | 1    | Muffler              |  |  |  |  |
| ❸92015  | 92015-1193    | 2    | Nut                  |  |  |  |  |
| ❸92055  | 92055-7015    | 1    | O-Ring               |  |  |  |  |
| ❸92072B | 92072-7012    | 1    | Band                 |  |  |  |  |
| ❸92170  | 92170-7002    | 1    | Clamp                |  |  |  |  |
| ❸92192  | 92192-7010    | 1    | Tube                 |  |  |  |  |
| ❸92210  | 92210-7004    | 2    | Nut                  |  |  |  |  |
| ❸92210A | 92210-7019    | 1    | Nut                  |  |  |  |  |
| ❸130    | 130B0816      | 3    | Bolt-Flanged (8X16)  |  |  |  |  |
| ❸233    | 233B0416      | 1    | Screw (4X16)         |  |  |  |  |
| ❸311    | 311B0400      | 1    | Nut-Hex (4Mm)        |  |  |  |  |
| ❸317    | 317R0800      | 4    | Nut-Hex, Small (8Mm) |  |  |  |  |
| ❸461    | 461F0800      | 4    | Washer-Spring (8Mm)  |  |  |  |  |



## Fuel Tank and Valve Assembly Kawasaki FH580V-DS28

| Ref     | Part No.      | Qty. | Description          |  |  |  |  |
|---------|---------------|------|----------------------|--|--|--|--|
| ③23062  | 23062-7004-9H | 1    | Bracket              |  |  |  |  |
| ③42036  | 42036-7012    | 1    | Sleeve               |  |  |  |  |
| ③49019  | 49019-7001    | 1    | Filter-Fuel          |  |  |  |  |
| ③49040  | 49040-7001    | 1    | Pump-Fuel            |  |  |  |  |
| ③92170A | 92170-2088    | 4    | Clamp                |  |  |  |  |
| ③92191  | 92191-7002    | 1    | Tube                 |  |  |  |  |
| ③92192  | 92192-7035    | 1    | Tube (6.35X12.7X170) |  |  |  |  |
| ③92192B | 92192-7037    | 1    | Tube (6.35X12.7X160) |  |  |  |  |
| ③130    | 130B0620      | 2    | Bolt-Flanged (6X20)  |  |  |  |  |



**Starter Assembly**  
**Kawasaki FH580V-DS28**

| Ref   | Part No.   | Qty. | Description         |  |  |  |  |
|-------|------------|------|---------------------|--|--|--|--|
| 13101 | 13101-7003 | 1    | Gear ASM            |  |  |  |  |
| 21039 | 21039-7004 | 1    | Brush               |  |  |  |  |
| 21080 | 21080-7001 | 1    | Armature            |  |  |  |  |
| 21163 | 21163-7010 | 1    | Starter-Electric    |  |  |  |  |
| 39184 | 39184-7004 | 1    | Bracket ASM         |  |  |  |  |
| 92151 | 92151-7013 | 1    | Bolt                |  |  |  |  |
| 130   | 130B0816   | 2    | Bolt-Flanged (8X16) |  |  |  |  |

### ENGINE MAINTENANCE

1. CHECK & CLEAN OIL.
2. CHECK & CLEAN AIR CLEANER
3. CLEAN FIVE & SCREEN

REFER TO CHECK 3 MANUAL.



### CHECK OIL BEFORE STARTING

↓ FULL

↑ ADD

DO NOT TURN CAP  
ON THROTTLE WHEN  
CHECKING OIL LEVEL.

**WARNING**

 \_\_\_\_\_

 \_\_\_\_\_

 \_\_\_\_\_

 \_\_\_\_\_

**Kawasaki FH580V改KA 19.0**

# Label Assembly

## Kawasaki FH580V-DS28

| Ref     | Part No.   | Qty. | Description   |
|---------|------------|------|---------------|
| ③56033A | 56033-7003 | 1    | Label-Manual  |
| ③56070  | 56070-7001 | 1    | Label-Warning |
| ③56080  | 56080-7022 | 1    | Label-Brand   |

## Attachments and Accessories

### For 30498 - Commercial Walk-Behind Mower, Floating Deck T-Bar Hydro with 48in TURBO FORCE Cutting Unit

| Product Name                               | Model/Part  |
|--------------------------------------------|-------------|
| Blade-Low Flow, 16.5 Inch .....            | 107-3193-03 |
| Blade-Mid Flow, 16.5 Inch .....            | 107-3194-03 |
| Blade-Atomic, 16.5 Inch .....              | 107-3195-03 |
| Blade-Recycling, 16.5 Inch .....           | 107-3196-03 |
| Bagging Enhancement Kit .....              | 108-4091    |
| Blade-Hi Flow, 16.5 Inch (6 Pack) .....    | 110-0414    |
| Blade-Lo Flow, 16.5 Inch (6 Pack) .....    | 110-0415    |
| Blade-Recycler, 16.5 Inch (6 Pack) .....   | 110-0416    |
| Blade-Atomic, 16.5 Inch (6 Pack) .....     | 110-0417    |
| Blade-Mid Flow, 16.5 Inch (6 Pack) .....   | 110-0418    |
| 48 Inch Recycler Kit .....                 | 110-2060    |
| Weight-Cast .....                          | 112-7059-01 |
| Weight Kit .....                           | 112-9971    |
| Trim Side Anti-Scalp Roller Kit .....      | 115-1015    |
| Discharge Side Anti-Scalp Roller Kit ..... | 115-1016    |
| Soft Bag (3 Bushel) .....                  | 30104       |
| Tru Trak Sulky .....                       | 30110       |

## NOTES

## NOTES

## NOTES

