



## Commercial Walk-Behind Mower Floating Deck Pistol Grip Hydro with 60in TURBO FORCE® Cutting Unit

Model No. 30280 - 270000001 and up.

### Parts Catalog

#### Ordering Replacement Parts

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

#### Understanding Reference Numbers

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

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

#### Service Assembly Reference Numbers

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

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

#### Reference Numbers Indicating Quantity

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

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

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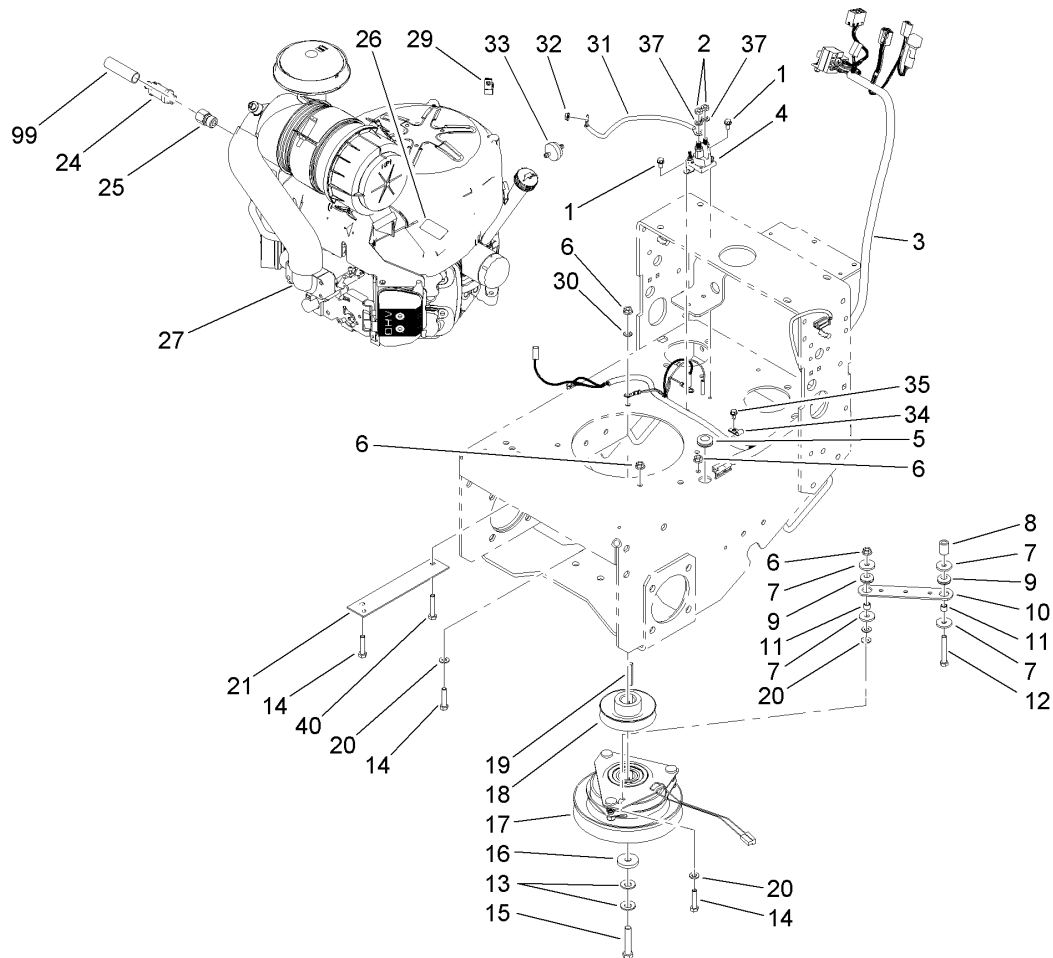
## Part Description Abbreviations

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

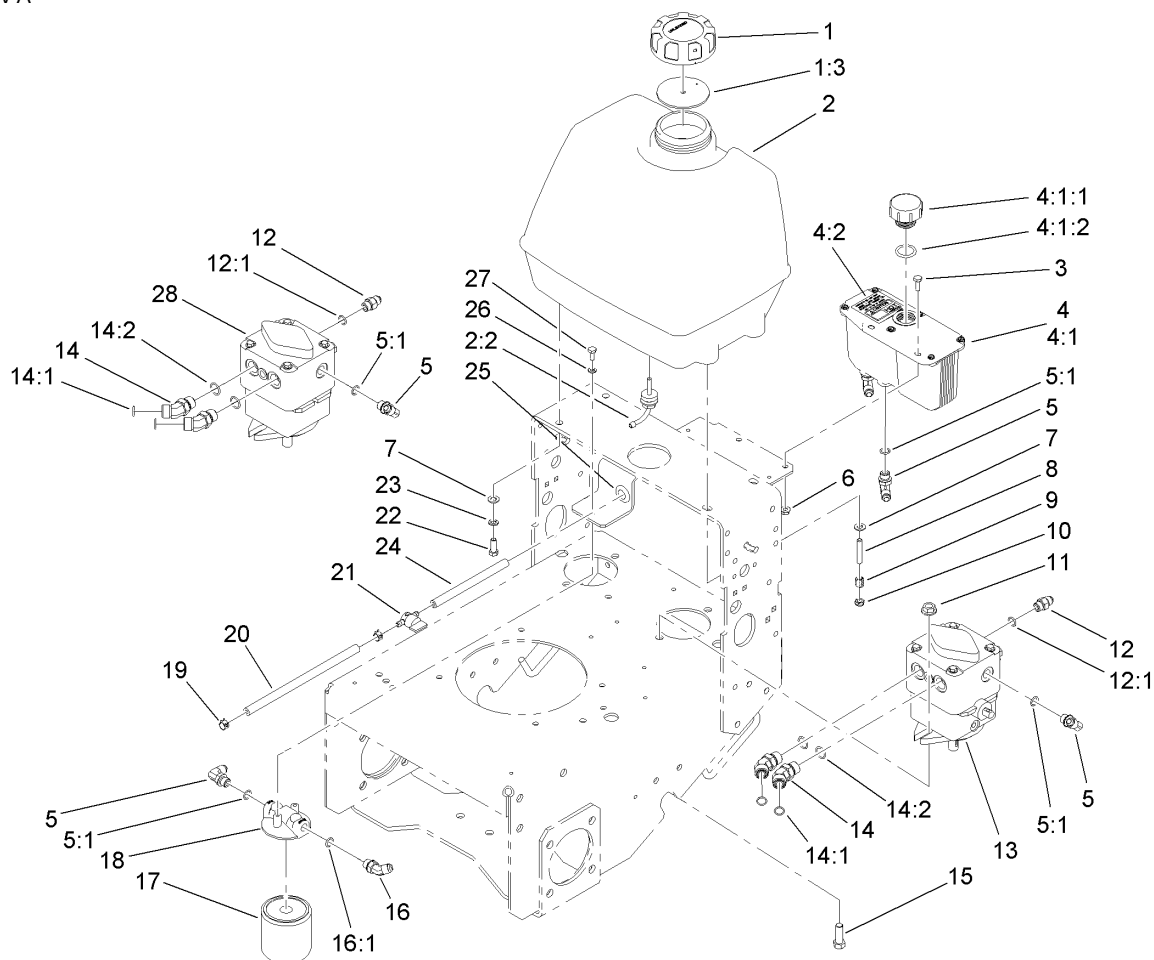
- |                      |                                          |
|----------------------|------------------------------------------|
| ❶ Not illustrated    | ❷ Not serviced separately                |
| ❸ Optional Equipment | ❹ Obtain from your local Kawasaki dealer |



## Engine and Clutch Assembly

| Ref | Part No.    | Qty. | Description         |
|-----|-------------|------|---------------------|
| 1   | 32144-4     | 2    | Screw-HWH           |
| 2   | 3220-2      | 2    | Nut-Jam             |
| 3   | 106-8780    | 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       |

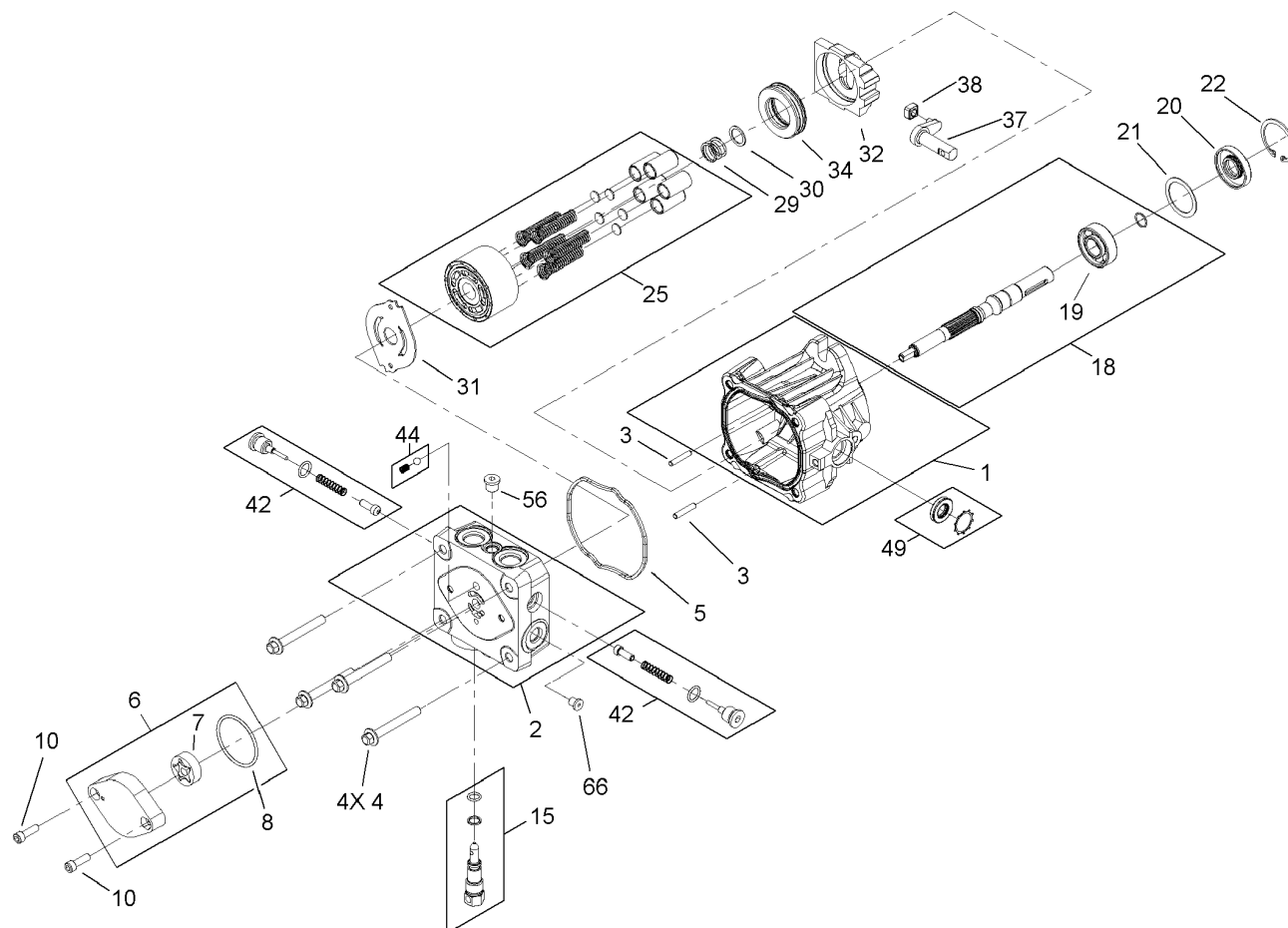
| Ref | Part No. | Qty. | Description                  |
|-----|----------|------|------------------------------|
| 27  |          | 1    | Engine-Kawasaki, FH680V-Ds22 |
| 29  | 2412-87  | 2    | Clamp-Cable                  |
| 30  | 3255-8   | 1    | Washer-Lock                  |
| 31  | 112-9707 | 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  | 1    | Screw                        |
| 37  | 3253-4   | 2    | Washer-Lock                  |
| 40  | 322-9    | 1    | Screw-HH                     |
| 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      |
| 24:1  |          | 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  | 5    | 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  | 2    | Fitting-Straight       |
| 12:1  | 237-42   | 1    | O-Ring                 |
| 13    | 109-4988 | 1    | Pump-HYD               |
| 14    | 340-101  | 4    | Fitting-HYD, 45 DEG    |
| 14:1  | 237-30   | 1    | O-Ring                 |
| 14:2  | 237-79   | 1    | O-Ring                 |

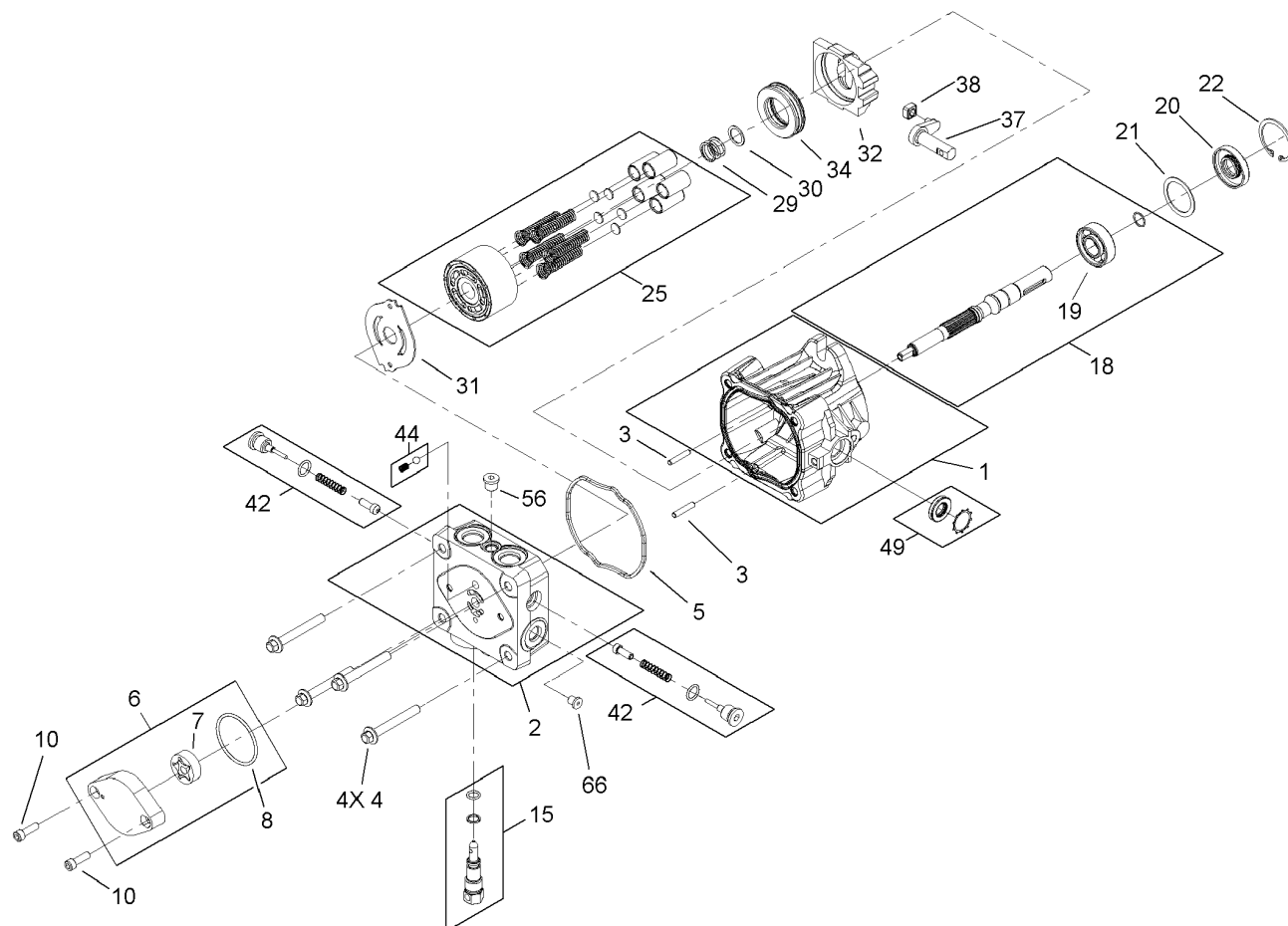
| Ref  | Part No. | Qty. | Description         |
|------|----------|------|---------------------|
| 15   | 324-5    | 4    | Screw-HH            |
| 16   | 353-212  | 1    | Fitting-HYD, 45 DEG |
| 16:1 | 237-42   | 1    | O-Ring              |
| 17   | 1-633752 | 1    | Filter-HYD, Winter  |
| 17   | 1-633750 | 1    | Filter-Oil, HYD     |
| 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   | 112-8717 | 1    | Pump-HYD            |



## Hydraulic Pump Assembly No. 109-4988

| Ref | Part No. | Qty. | Description             |
|-----|----------|------|-------------------------|
| 1   | 106-8751 | 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  | 106-8758 | 2    | Screw-HSH               |
| 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  | 104-2106 | 1    | Cylinder Block ASM      |
| 29  | 94-1936  | 1    | Spring-Block            |
| 30  | 94-1937  | 1    | Washer-Block, Thrust    |
| 31  | 105-6185 | 1    | Plate-Valve             |
| 32  | 94-1907  | 1    | Swashplate-Variable     |
| 34  | 94-6922  | 1    | Bearing-Thrust          |
| 37  | 94-1909  | 1    | Arm-Trunion             |
| 38  | 94-1910  | 1    | Guide-Slot              |
| 42  | 98-3252  | 2    | Valve-Check (W/Poppet)  |

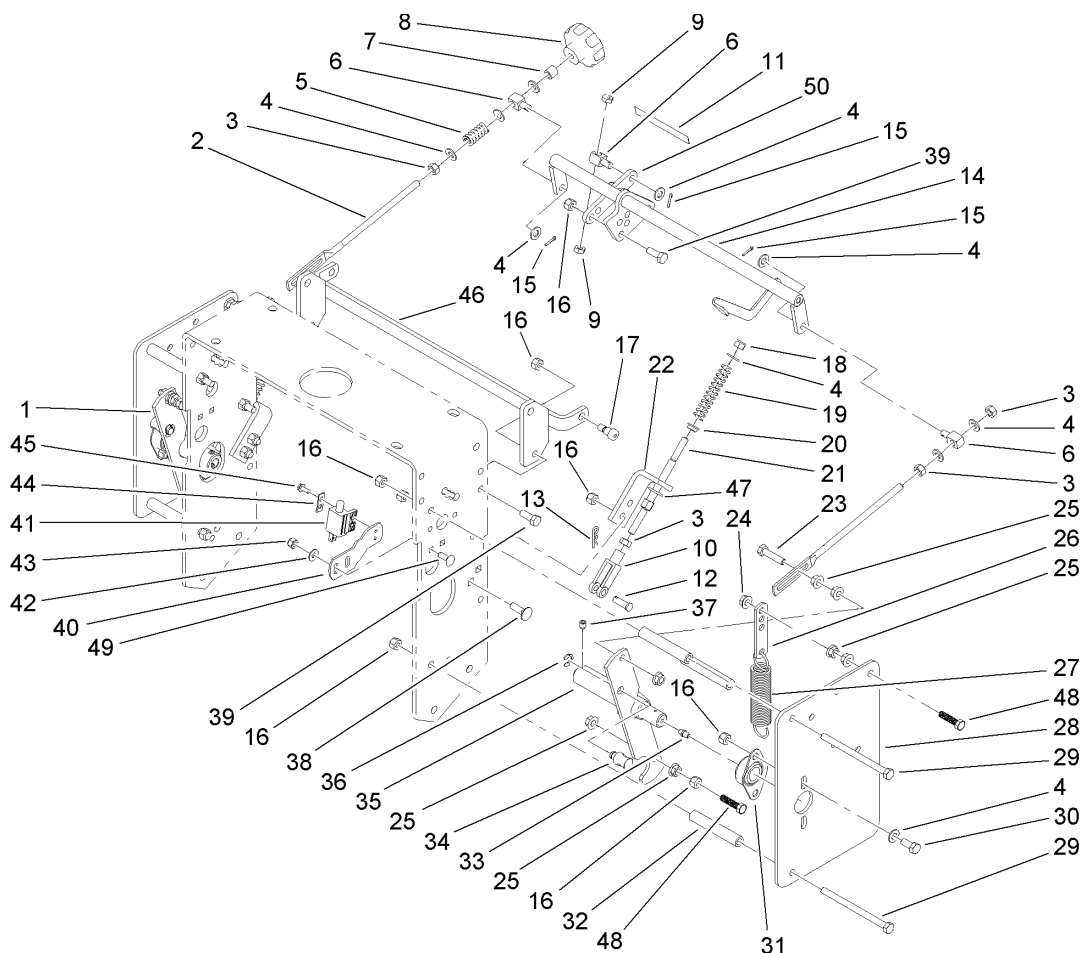
| Ref | Part No. | Qty. | Description                  |
|-----|----------|------|------------------------------|
| 44  | 106-8760 | 1    | Charge Relief Valve Kit      |
| 49  | 106-8761 | 1    | Trunnion Seal / Retainer Kit |
| 56  | 106-8762 | 1    | Plug-HSH                     |
| 66  | 106-8763 | 1    | Plug-HSH                     |
| 99  | 105-6184 | 1    | Overhaul Seal Kit            |



## Hydraulic Pump Assembly No. 112-8717

| Ref | Part No. | Qty. | Description             |
|-----|----------|------|-------------------------|
| 1   | 106-8751 | 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  | 106-8758 | 2    | Screw-HSH               |
| 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  | 104-2106 | 1    | Cylinder Block ASM      |
| 29  | 94-1936  | 1    | Spring-Block            |
| 30  | 94-1937  | 1    | Washer-Block, Thrust    |
| 31  | 105-6185 | 1    | Plate-Valve             |
| 32  | 94-1907  | 1    | Swashplate-Variable     |
| 34  | 94-6922  | 1    | Bearing-Thrust          |
| 37  | 94-1909  | 1    | Arm-Trunion             |
| 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  | 106-8761 | 1    | Trunnion Seal / Retainer Kit |
| 56  | 106-8762 | 1    | Plug-HSH                     |
| 66  | 106-8763 | 1    | Plug-HSH                     |
| 99  | 105-6184 | 1    | Overhaul Seal Kit            |

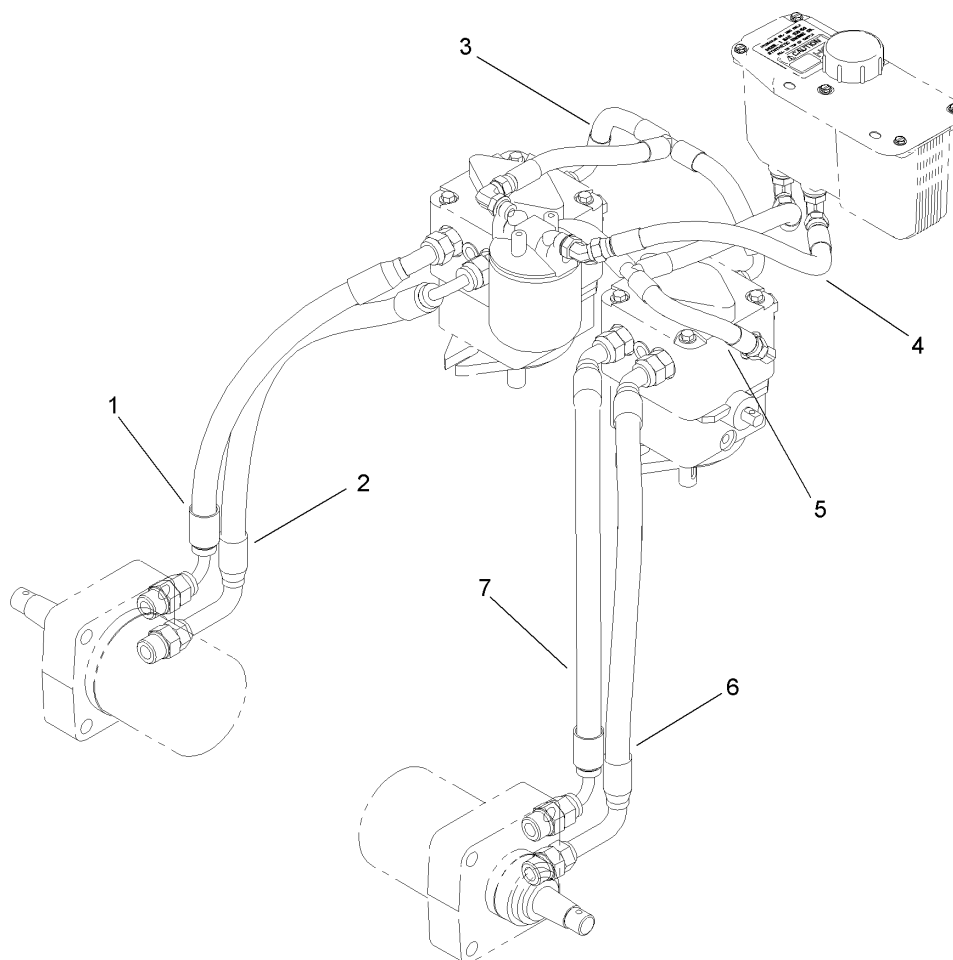


## Lower Control Assembly

| Ref | Part No.    | Qty. | Description              |
|-----|-------------|------|--------------------------|
| 1   | 112-9994    | 1    | RH Control Arm ASM       |
| 2   | 112-9988    | 2    | Link-Control, Speed      |
| 3   | 3219-2      | 5    | Nut-Hex                  |
| 4   | 3256-23     | 14   | Washer-Flat              |
| 5   | 1-323245    | 1    | Spring-Compression       |
| 6   | 1-603676    | 3    | Swivel-Adjustable, Short |
| 7   | 1-603903    | 1    | Spacer                   |
| 8   | 1-413151    | 1    | Knob-Tracking            |
| 9   | 3220-2      | 2    | Nut-Jam                  |
| 10  | 1-303105    | 2    | Yoke-Adjustable          |
| 11  | 105-4109    | 1    | Decal-Tracking           |
| 12  | 1-808280    | 2    | Pin-Clevis               |
| 13  | 3290-307    | 2    | Pin-Hair                 |
| 14  | 112-9963-01 | 1    | Speed Control Crank ASM  |
| 15  | 3272-5      | 3    | Pin-Cotter               |
| 16  | 3296-29     | 20   | Nut-Lock, NI             |
| 17  | 1-809056    | 2    | Screw                    |
| 18  | 3296-4      | 2    | Nut-Lock                 |
| 19  | 1-603807    | 2    | Spring-Return, Neutral   |
| 20  | 109-3769    | 2    | Bushing-Nylon, Flanged   |
| 21  | 105-9372    | 2    | Stud-Adjustment          |
| 22  | 104-9802-01 | 2    | Bracket-Mount, Spring    |
| 23  | 1-403180    | 2    | Screw-HH                 |
| 24  | 32128-25    | 2    | Nut-HF                   |

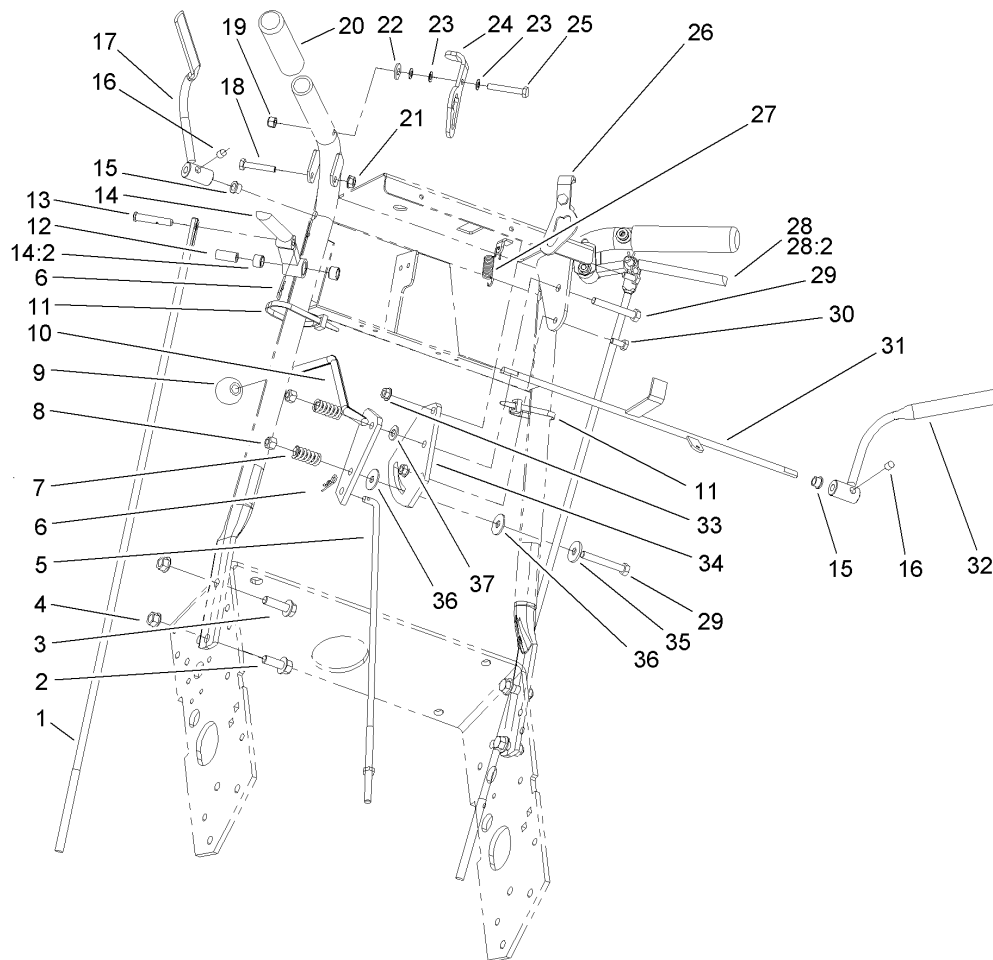
| Ref | Part No.    | Qty. | Description           |
|-----|-------------|------|-----------------------|
| 25  | 32128-20    | 14   | Nut-HF                |
| 26  | 1-613089    | 2    | Tab-Spring, Extension |
| 27  | 1-603693    | 2    | Spring-Extension      |
| 28  | 104-9817-01 | 2    | Plate-Side            |
| 29  | 322-38      | 6    | Screw-HH              |
| 30  | 322-3       | 4    | Screw-HH              |
| 31  | 1-633102    | 2    | Bearing-Flange, Side  |
| 32  | 104-9820    | 6    | Spacer-Shield         |
| 33  | 302-5       | 2    | Fitting-Grease        |
| 34  | 103-1235    | 2    | Swivel-Lever, Drive   |
| 35  | 112-9993    | 1    | LH Control Arm ASM    |
| 36  | 32151-47    | 2    | Ring-Retaining        |
| 37  | 3246-3      | 4    | Screw-HSH             |
| 38  | 3230-2      | 4    | Bolt-CARR             |
| 39  | 322-4       | 4    | Screw-HH              |
| 40  | 106-5539-01 | 1    | Bracket-Neutral       |
| 41  | 1-513051    | 1    | Switch-Open, Normally |
| 42  | 3256-1      | 2    | Washer-Flat           |
| 43  | 3296-42     | 2    | Nut-Lock, NI          |
| 44  | 82-4570     | 1    | Plate-Switch          |
| 45  | 32144-1     | 2    | Screw-Taptite         |
| 46  | 105-3163-01 | 1    | Crank Support ASM     |
| 47  | 3256-24     | 2    | Washer-Flat           |
| 48  | 1-800016    | 4    | Bolt-TAP, HH          |





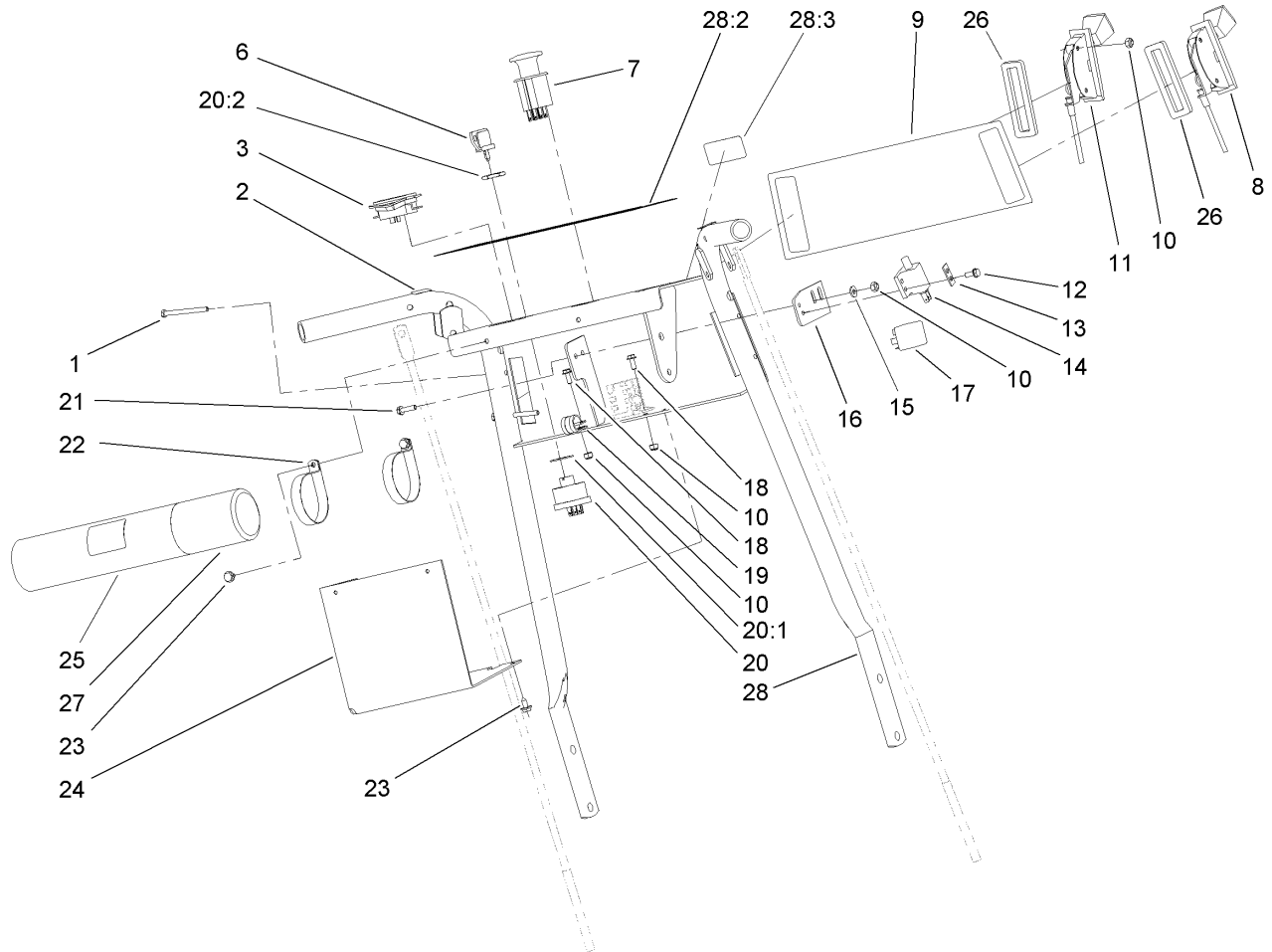
## Hydraulic Hose Assembly

| Ref | Part No. | Qty. | Description  |  |  |  |  |
|-----|----------|------|--------------|--|--|--|--|
| 1   | 112-9704 | 1    | HYD Hose ASM |  |  |  |  |
| 2   | 112-9705 | 1    | HYD Hose ASM |  |  |  |  |
| 3   | 114-3436 | 1    | HYD Hose ASM |  |  |  |  |
| 4   | 105-5699 | 1    | HYD Hose ASM |  |  |  |  |
| 5   | 105-5698 | 1    | HYD Hose ASM |  |  |  |  |
| 6   | 112-9705 | 1    | HYD Hose ASM |  |  |  |  |
| 7   | 112-9706 | 1    | HYD Hose ASM |  |  |  |  |



## Upper Control Assembly

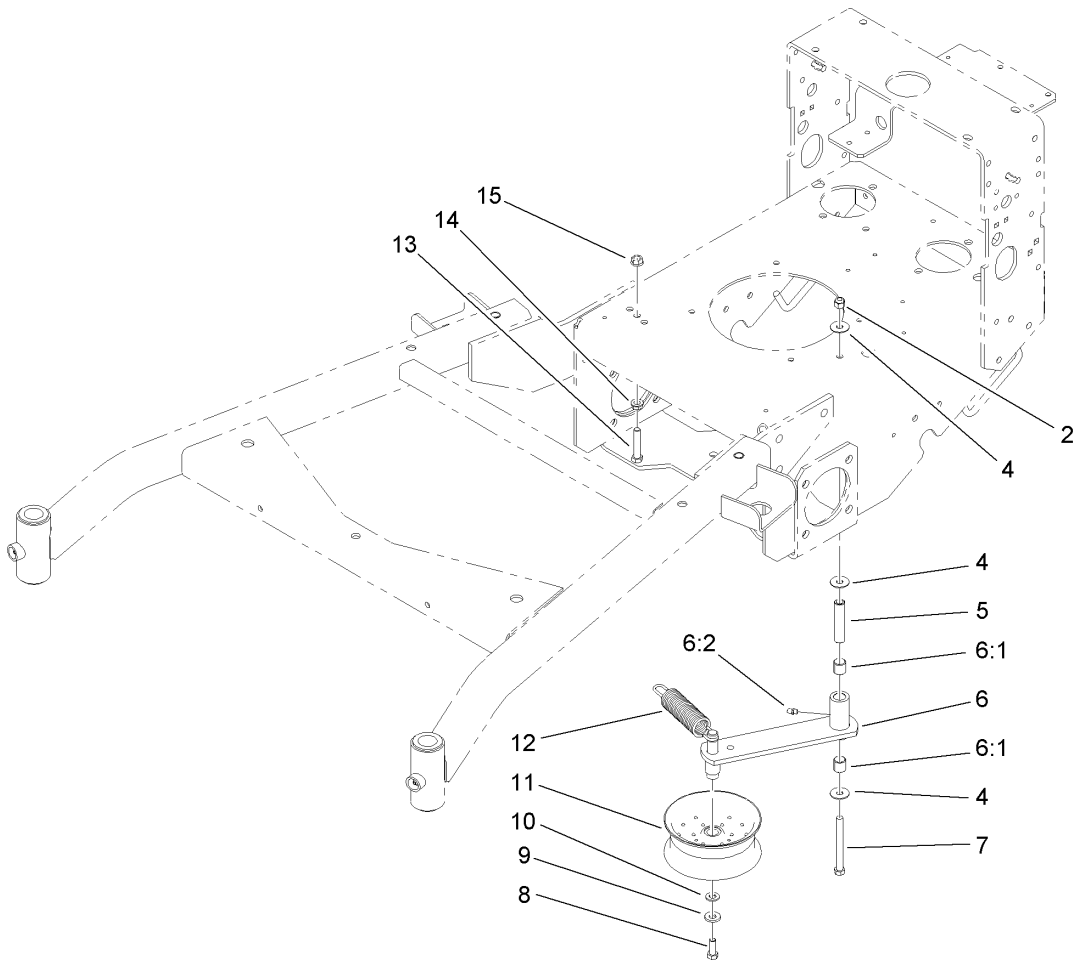
| Ref  | Part No. | Qty. | Description                            | Ref  | Part No. | Qty. | Description                            |
|------|----------|------|----------------------------------------|------|----------|------|----------------------------------------|
| 1    | 1-413219 | 2    | Rod-Lever, Drive                       | 23   | 1-303435 | 6    | Washer-Spring                          |
| 2    | 3234-11  | 2    | Screw-HHF                              | 24   | 106-5483 | 1    | Latch-Thumb, LH                        |
| 3    | 3234-24  | 2    | Screw-HHF                              | 25   | 321-10   | 2    | Screw-HH                               |
| 4    | 32128-21 | 4    | Nut-HF                                 | 26   | 106-5481 | 1    | Latch-Thumb, RH                        |
| 5    | 106-5534 | 1    | Rod-Control, Speed                     | 27   | 1-303363 | 1    | Spring-Extension                       |
| 6    | 3290-307 | 3    | Pin-Hair                               | 28   | 103-0219 | 1    | RH Drive Lever ASM                     |
| 7    | 1-323245 | 2    | Spring-Compression                     | 28:2 | 1-413152 | 2    | Sleeve-Bushing                         |
| 8    | 3296-29  | 2    | Nut-Lock, NI                           | 29   | 322-11   | 2    | Screw-HH                               |
| 9    | 233-42   | 1    | Knob                                   | 30   | 321-3    | 2    | Screw-HH                               |
| 10   | 106-2748 | 1    | Lever-Shift                            | 31   | 104-9803 | 1    | Rod ASM                                |
| 11   | 3290-378 | 2    | Tie-Cable                              | 32   | 106-5486 | 1    | RH Operator Presence Control Lever ASM |
| 12   | 1-603749 | 2    | Bushing-Lever, Drive                   | 33   | 32128-33 | 2    | Nut-HF                                 |
| 13   | 1-613055 | 2    | Pin-Clevis                             | 34   | 1-603730 | 1    | Plate-Lever, Shifter                   |
| 14   | 103-0218 | 1    | LH Drive Lever ASM                     | 35   | 1-603716 | 1    | Washer-Friction                        |
| 14:2 | 1-413152 | 2    | Sleeve-Bushing                         | 36   | 1-323244 | 2    | Washer-Friction                        |
| 15   | 1-303365 | 2    | Bushing-Nylon                          | 37   | 3256-23  | 1    | Washer-Flat                            |
| 16   | 1-803322 | 2    | Screw-Set                              |      |          |      |                                        |
| 17   | 106-5485 | 1    | LH Operator Presence Control Lever ASM |      |          |      |                                        |
| 18   | 321-9    | 2    | Screw-HH                               |      |          |      |                                        |
| 19   | 3296-42  | 2    | Nut-Lock, NI                           |      |          |      |                                        |
| 20   | 104-9838 | 2    | Grip-Foam                              |      |          |      |                                        |
| 21   | 32128-33 | 2    | Nut-HF                                 |      |          |      |                                        |
| 22   | 3256-2   | 2    | Washer-Flat                            |      |          |      |                                        |



## Control Panel Assembly

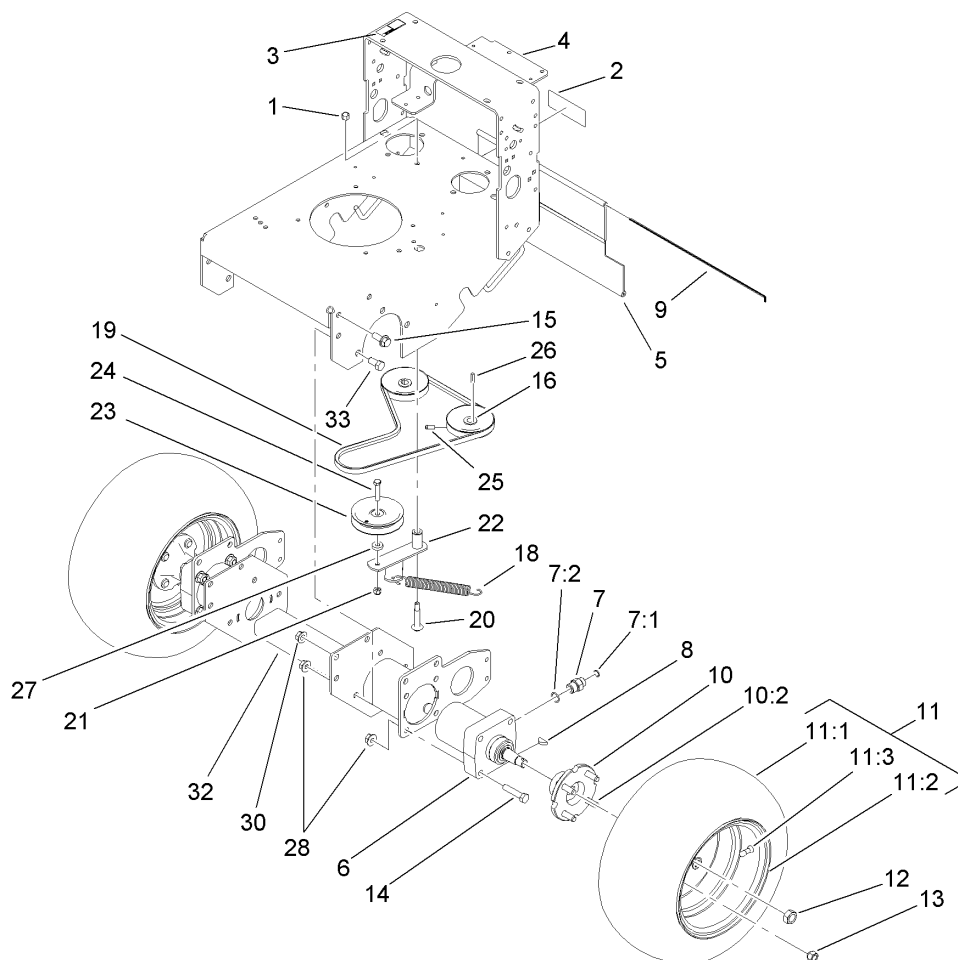
| Ref  | Part No.    | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 32105-14    | 4    | Screw-SHH              |
| 2    | 105-4110    | 2    | Decal-Lock, Neutral    |
| 3    | 104-8143    | 1    | Hourmeter              |
| 6    | 63-8360     | 1    | Key-Ignition           |
| 7    | 95-7489     | 1    | Switch-PTO             |
| 8    | 110-4955    | 1    | Control-Choke          |
| 9    | 110-4953    | 1    | Decal-Throttle Control |
| 10   | 3296-2      | 8    | Nut-Lock               |
| 11   | 110-4954    | 1    | Control-Throttle       |
| 12   | 32144-1     | 2    | Screw-Taptite          |
| 13   | 82-4570     | 1    | Plate-Switch           |
| 14   | 1-513051    | 1    | Switch-Open, Normally  |
| 15   | 3256-14     | 2    | Washer-Flat            |
| 16   | 105-4137-03 | 1    | Plate-Mounting, Switch |
| 17   | 98-7249     | 1    | Relay                  |
| 18   | 3290-321    | 2    | Screw-HWH              |
| 19   | 2412-134    | 1    | R-Clamp                |
| 20   | 88-9830     | 1    | Key Switch ASM         |
| 20:1 | 3254-5      | 1    | Washer-Tooth           |
| 20:2 | 218-461     | 1    | Nut-HH                 |
| 21   | 32105-13    | 2    | Screw-SHH              |
| 22   | 2412-120    | 2    | R-Clamp                |
| 23   | 32104-76    | 4    | Screw                  |
| 24   | 105-4112-03 | 1    | Bracket-Cover          |

| Ref  | Part No. | Qty. | Description           |
|------|----------|------|-----------------------|
| 25   | 104-7050 | 1    | Housing-Manual        |
| 26   | 106-5487 | 2    | Gasket-Throttle       |
| 27   | 104-7048 | 1    | Cap-Housing           |
| 28   | 110-4951 | 1    | Handle ASM            |
| 28:2 | 106-5515 | 1    | Decal-Panel, Control  |
| 28:3 | 98-4387  | 1    | Decal-Protection, Ear |



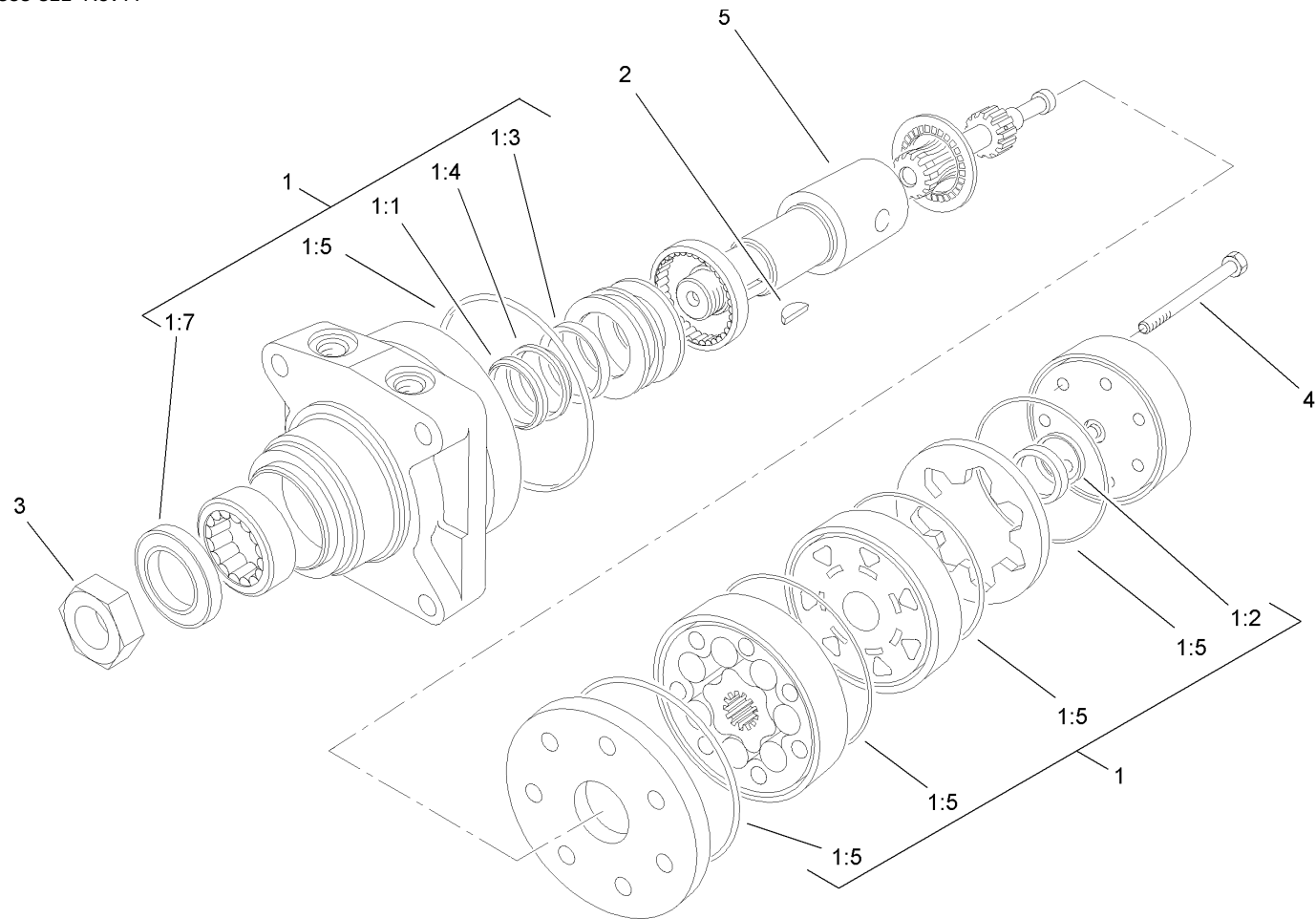
Power-Take-Off Idler Assembly

| 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            |  |  |  |  |



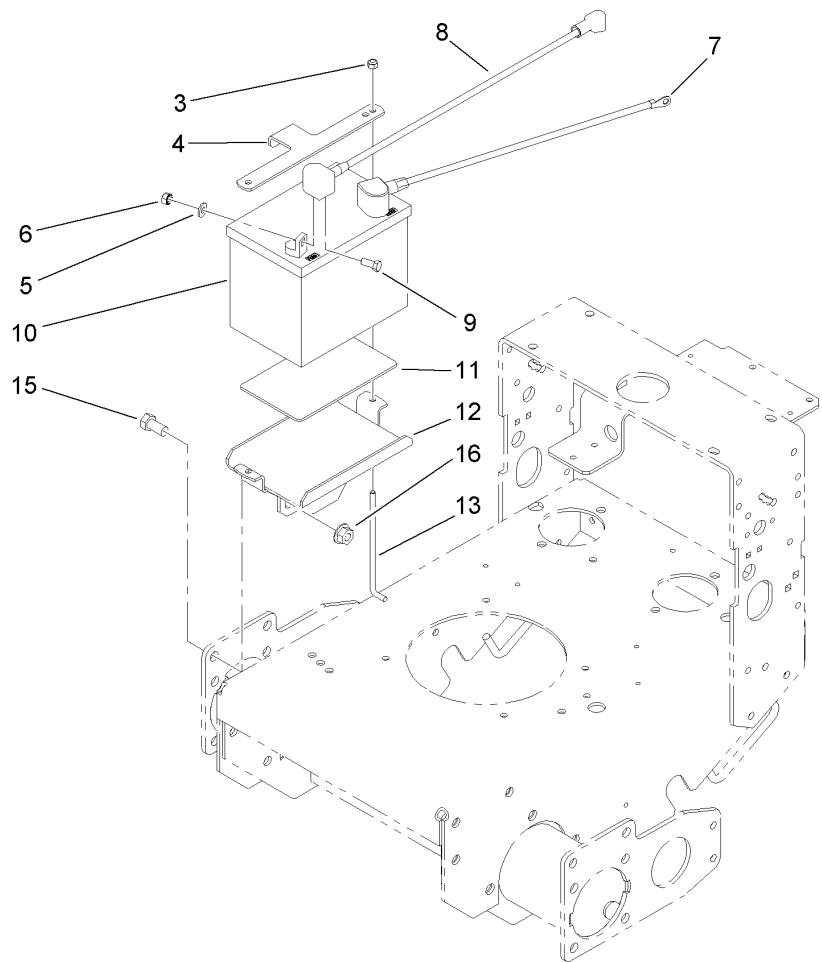
## Pump Drive and Wheel Motor Assembly

| Ref   | Part No.    | Qty. | Description           | Ref | Part No.    | Qty. | Description     |
|-------|-------------|------|-----------------------|-----|-------------|------|-----------------|
| 1     | 3296-6      | 1    | Nut-Lock              | 19  | 105-5649    | 1    | V-Belt          |
| 2     | 98-0776     | 1    | Decal-Caution         | 20  | 27-6230     | 1    | Bolt-Wheel      |
| 3     | 95-2814     | 1    | Decal-Shut Off, Fuel  | 21  | 3296-39     | 1    | Nut-Lock, NI    |
| 4     | 112-9695-01 | 1    | Hydro Frame ASM       | 22  | 86-4770     | 1    | Idler Lever ASM |
| 5     | 95-1526     | 1    | Shield-Trailing       | 23  | 93-1622     | 1    | Pulley-Idler    |
| 6     | 112-8722    | 2    | Motor-Wheel           | 24  | 323-9       | 1    | Screw-HH        |
| 7     | 340-6       | 4    | Fitting-HYD, Straight | 25  | 3241-5      | 4    | Screw-Set       |
| 7:1   | 237-30      | 1    | O-Ring                | 26  | 1-807272    | 2    | Key             |
| 7:2   | 237-80      | 1    | O-Ring                | 27  | 9202204     | 1    | Washer          |
| 8     | 3257-8      | 2    | Key-Woodruff          | 28  | 32128-49    | 14   | Nut-HHF         |
| 9     | 95-1529     | 1    | Rod-Shield            | 30  | 32128-23    | 6    | Nut-HF          |
| 10    | 105-0800    | 2    | Wheel Hub / Stud ASM  | 32  | 112-9700-01 | 1    | Axle ASM        |
| 10:2  | 10-6830     | 4    | Stud-Type, Drive      | 33  | 325-4       | 6    | Screw-HH        |
| 11    | 112-9973    | 2    | Wheel And Tire ASM    |     |             |      |                 |
| 11:1  | 103-4320    | 1    | Tire                  |     |             |      |                 |
| 11:2  | 105-1946    | 1    | Wheel                 |     |             |      |                 |
| 11:3  | 232-27      | 1    | Stem-Valve            |     |             |      |                 |
| 11:99 | 105-4070    | 1    | Tube-Inner            |     |             |      |                 |
| 12    | 85-7310     | 2    | Nut-Motor, Wheel      |     |             |      |                 |
| 13    | 242-50      | 8    | Nut-Lug               |     |             |      |                 |
| 14    | 325-9       | 8    | Screw-HH              |     |             |      |                 |
| 15    | 3234-32     | 6    | Screw-HHF             |     |             |      |                 |
| 16    | 105-5648    | 2    | Pulley-Pump           |     |             |      |                 |
| 18    | 80-6610     | 1    | Spring-Extension      |     |             |      |                 |



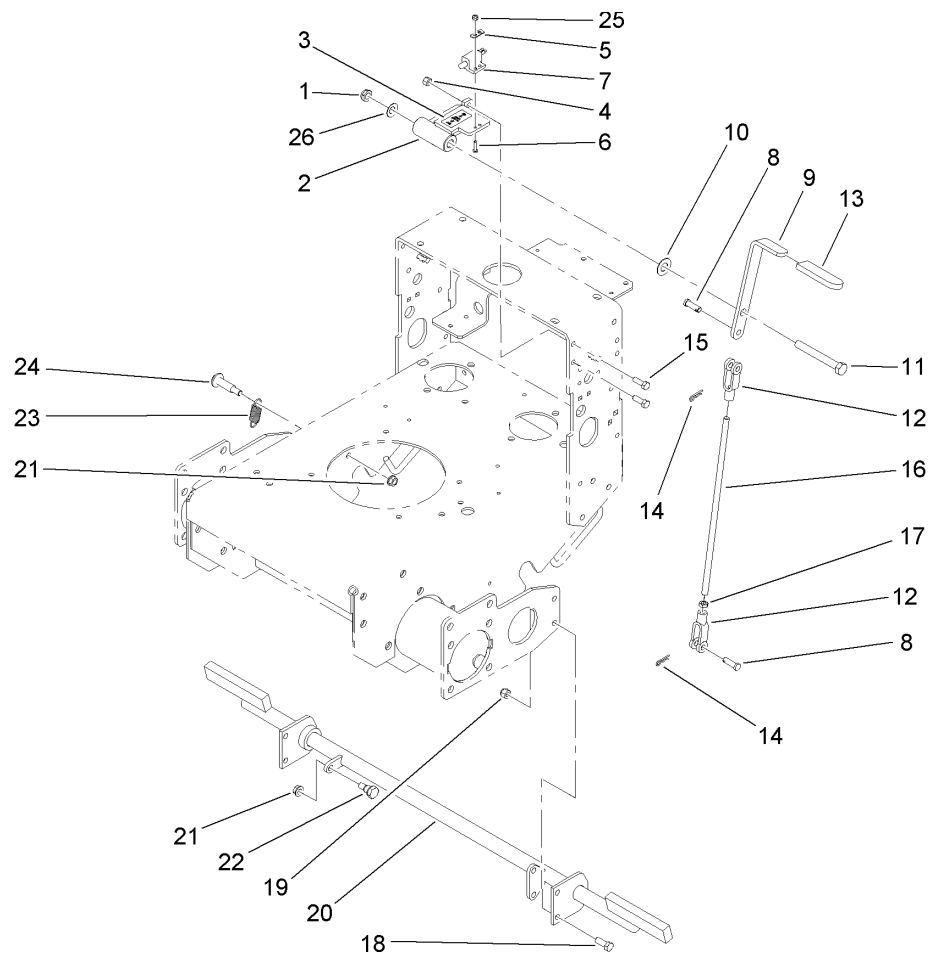
Wheel Motor Assembly No. 112-8722

| 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    | 114-3412 | 6    | Bolt-Special          |  |  |  |  |
| 5    | 106-8764 | 1    | Shaft-Coupling        |  |  |  |  |



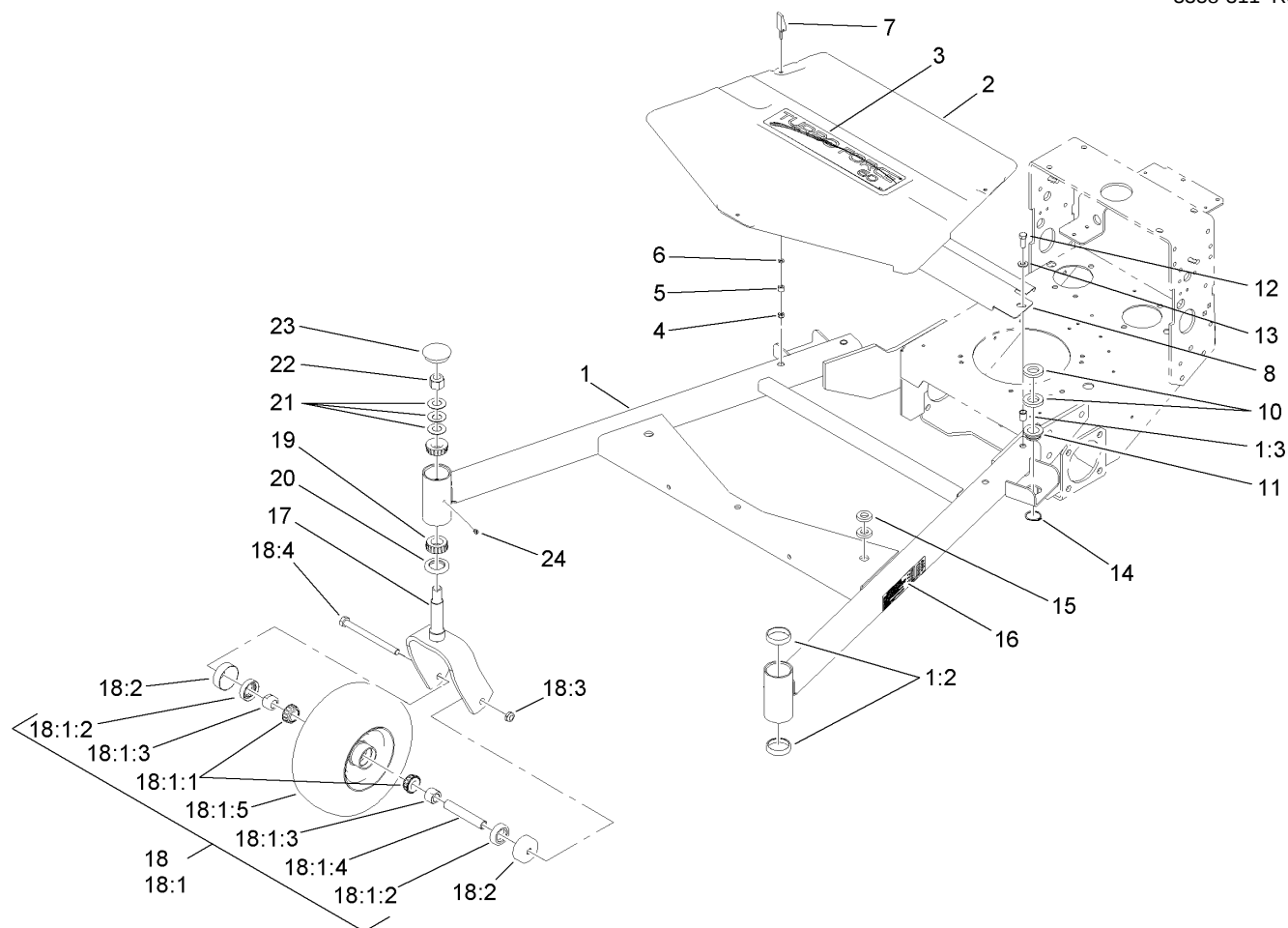
Battery Assembly

| Ref | Part No.    | Qty. | Description              |  |  |  |  |
|-----|-------------|------|--------------------------|--|--|--|--|
| 3   | 3296-42     | 2    | Nut-Lock, NI             |  |  |  |  |
| 4   | 104-8568-03 | 1    | Plate-Hold Down, Battery |  |  |  |  |
| 5   | 3256-2      | 2    | Washer-Flat              |  |  |  |  |
| 6   | 32149-1     | 2    | Nut-Keps                 |  |  |  |  |
| 7   | 112-9709    | 1    | Cable-Battery, Black     |  |  |  |  |
| 8   | 112-9708    | 1    | Cable-Battery, Pos       |  |  |  |  |
| 9   | 322-3       | 2    | Screw-HH                 |  |  |  |  |
| 10  | 104-8162    | 1    | Battery                  |  |  |  |  |
| 11  | 62-4300     | 1    | Pad-Skid, Anti           |  |  |  |  |
| 12  | 112-9697-01 | 1    | Battery Tray ASM         |  |  |  |  |
| 13  | 104-8567    | 2    | Holdown-Battery          |  |  |  |  |
| 15  | 325-4       | 2    | Screw-HH                 |  |  |  |  |
| 16  | 32128-49    | 2    | Nut-HHF                  |  |  |  |  |



## Parking Brake Assembly

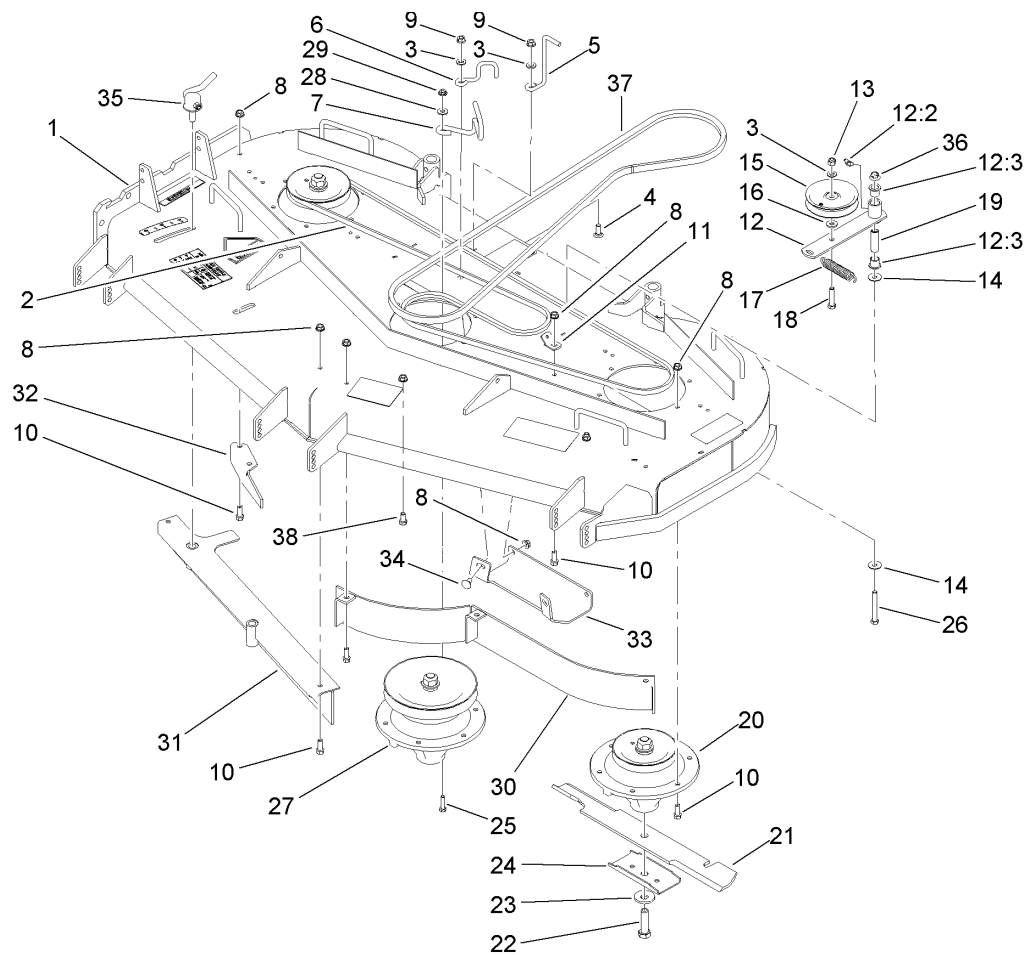
| Ref | Part No.    | Qty. | Description         | Ref | Part No. | Qty. | Description            |
|-----|-------------|------|---------------------|-----|----------|------|------------------------|
| 1   | 3296-45     | 1    | Nut-Lock, NI        | 25  | 3296-1   | 2    | Nut-Lock               |
| 2   | 112-8716-01 | 1    | Support-Handle      | 26  | 112-9972 | 1    | Washer-Conical, Spring |
| 3   | 112-8720    | 1    | Decal-Brake         |     |          |      |                        |
| 4   | 3296-29     | 2    | Nut-Lock, NI        |     |          |      |                        |
| 5   | 82-4570     | 1    | Plate-Switch        |     |          |      |                        |
| 6   | 3250-17     | 2    | Screw-PPH           |     |          |      |                        |
| 7   | 95-1653     | 1    | Switch-Pole, Single |     |          |      |                        |
| 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  | 322-5       | 2    | Screw-HH            |     |          |      |                        |
| 16  | 108-2747    | 1    | Rod-Brake           |     |          |      |                        |
| 17  | 3220-3      | 1    | Nut-HJ              |     |          |      |                        |
| 18  | 323-6       | 4    | Screw-HH            |     |          |      |                        |
| 19  | 3296-39     | 4    | Nut-Lock, NI        |     |          |      |                        |
| 20  | 112-8734-01 | 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          |     |          |      |                        |



## Carrier Frame Assembly

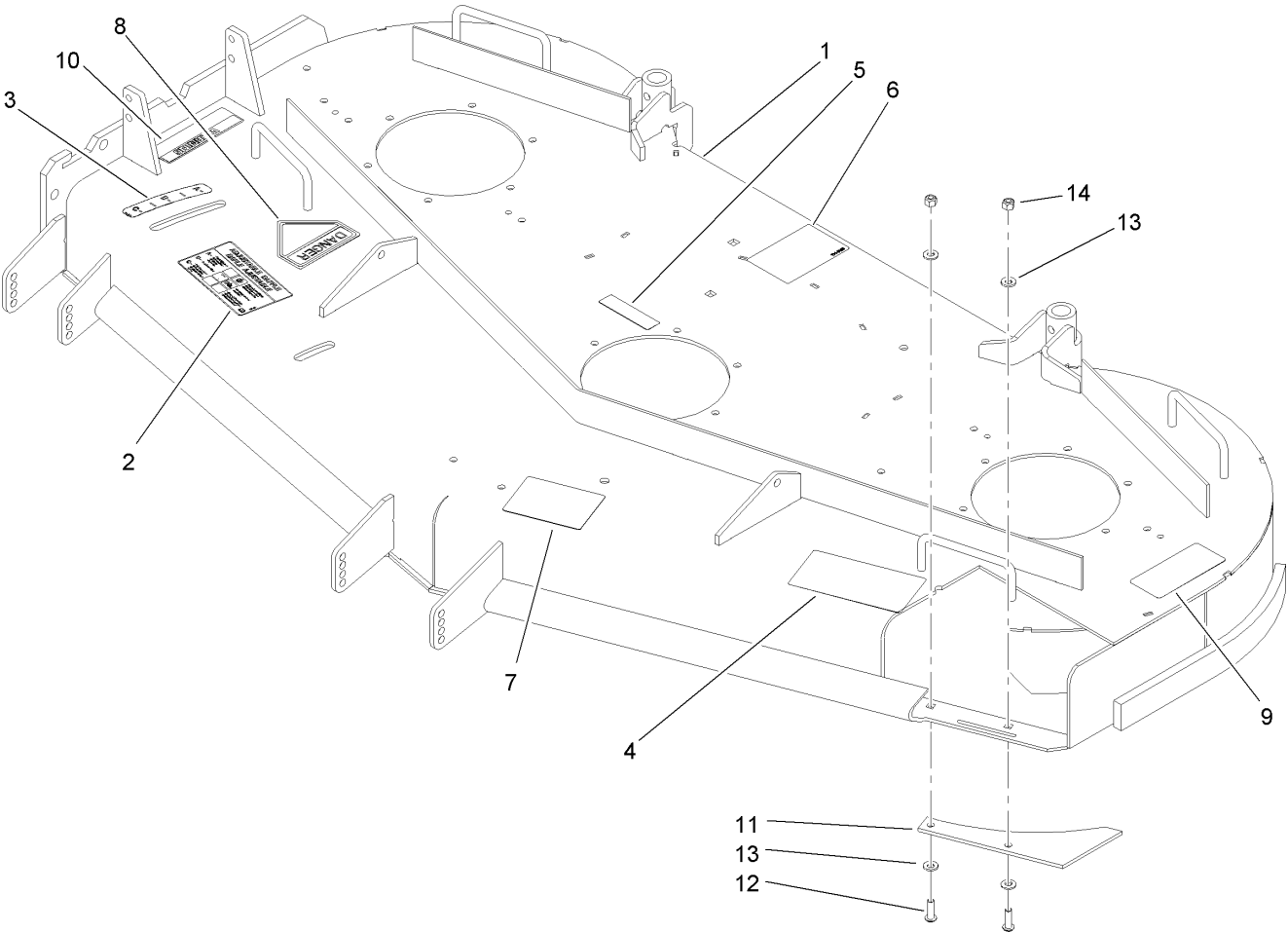
| Ref    | Part No.    | Qty. | Description           |
|--------|-------------|------|-----------------------|
| 1      | 112-9986    | 1    | Carrier Frame ASM     |
| 1:2    | 1-543508    | 4    | Cup-Bearing           |
| 1:3    | 32148-9     | 2    | Insert-Nut            |
| 2      | 110-0748    | 1    | Cover-Carrier Frame   |
| 3      | 112-9714    | 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     | 103-1891-01 | 2    | Wld, Caster Fork      |
| 18     | 112-3810    | 2    | Wheel And Bearing ASM |
| 18:1   |             | 1    | Wheel Bearing ASM     |
| 18:1:1 | 1-633585    | 2    | Bearing-Cone, Taper   |
| 18:1:2 | 103-0063    | 2    | Seal-Caster           |
| 18:1:3 | 103-3051    | 2    | Spacer-Nut            |
| 18:1:4 | 103-3157    | 1    | Axle-Caster           |

| Ref    | Part No. | Qty. | Description             |
|--------|----------|------|-------------------------|
| 18:1:5 | 110-9965 | 1    | Wheel And Tire ASM      |
| 18:2   | 103-2768 | 2    | Guard-Seal              |
| 18:3   | 3296-45  | 1    | Nut-Lock, NI            |
| 18:4   | 325-20   | 1    | Screw-HH                |
| 19     | 1-543509 | 4    | Bearing-Roller, Tapered |
| 20     | 1-543511 | 2    | Seal-Grease             |
| 21     | 1-633508 | 6    | Washer-Bellville        |
| 22     | 3296-51  | 2    | Nut-Lock, NI            |
| 23     | 103-4882 | 2    | Cap-Grease              |
| 24     | 1-811010 | 2    | Plug                    |



## Baffle and Deck Drive Assembly

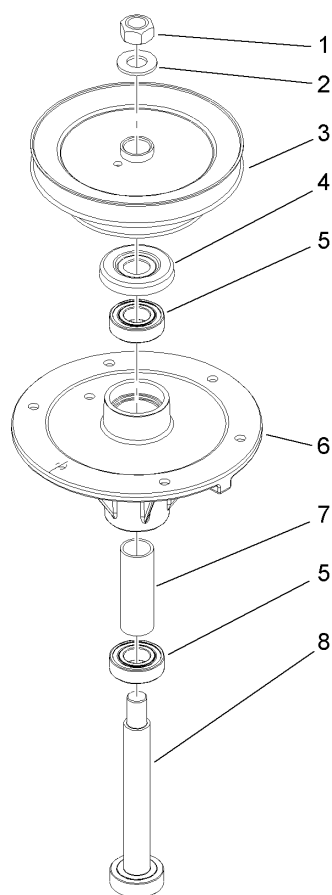
| Ref  | Part No.    | Qty. | Description          | Ref | Part No.    | Qty. | Description              |
|------|-------------|------|----------------------|-----|-------------|------|--------------------------|
| 1    | 112-9701    | 1    | Deck ASM             | 23  | 103-0865    | 3    | Washer-Blade Bolt, Heavy |
| 2    | 108-6645    | 1    | Belt-V               | 24  | 108-2727    | 3    | Stiffener-Blade          |
| 3    | 3256-24     | 3    | Washer-Flat          | 25  | 322-6       | 1    | Screw-HH                 |
| 4    | 3231-22     | 2    | Screw-CARR           | 26  | 323-14      | 1    | Screw-HH                 |
| 5    | 98-5980     | 1    | Guide-Belt           | 27  | 110-0731    | 1    | Spindle ASM              |
| 6    | 110-6975    | 1    | Guide-Belt           | 28  | 3256-3      | 1    | Washer-Flat              |
| 7    | 105-0850    | 1    | Guide-Belt           | 29  | 32128-13    | 1    | Nut-HF                   |
| 8    | 3290-357    | 31   | Nut-HHF, Whiz        | 30  | 110-0755-03 | 1    | Baffle ASM               |
| 9    | 32128-21    | 2    | Nut-HF               | 31  | 110-0750-03 | 1    | Adjust Baffle ASM        |
| 10   | 92-1624     | 24   | Screw                | 32  | 110-0754-01 | 1    | Baffle-Discharge         |
| 11   | 104-6374    | 1    | Plate-Spring         | 33  | 112-7062-01 | 1    | Plate-Skid               |
| 12   | 108-2728    | 1    | Idler Arm ASM        | 34  | 3231-1      | 4    | Screw-CARR               |
| 12:2 | 302-11      | 1    | Fitting-Lube, 45 DEG | 35  | 107-1664    | 2    | Lever ASM                |
| 12:3 | 256-90      | 2    | Bushing-Flange       | 36  | 32128-19    | 1    | Nut-HF                   |
| 13   | 3296-39     | 1    | Nut-Lock, NI         | 37  | 106-5492    | 1    | Belt-V                   |
| 14   | 52-2860     | 2    | Washer               | 38  | 323-4       | 3    | Screw-HH                 |
| 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   | 105-7718-03 | 3    | Blade-Hi Flow        |     |             |      |                          |
| 22   | 51-4060     | 3    | Screw-Blade          |     |             |      |                          |



Deck Assembly No. 112-9701

| Ref | Part No. | Qty. | Description              |  |  |  |  |
|-----|----------|------|--------------------------|--|--|--|--|
| 1   |          | 1    | Deck ASM                 |  |  |  |  |
| 2   | 110-2068 | 1    | Decal-Adjustment, Baffle |  |  |  |  |
| 3   | 110-2067 | 1    | Decal-Setting, Baffle    |  |  |  |  |
| 4   | 66-1340  | 1    | Decal-Danger             |  |  |  |  |
| 5   | 98-5954  | 3    | Decal-Cover, Missing     |  |  |  |  |
| 6   | 104-8186 | 1    | Decal-Routing, Belt      |  |  |  |  |
| 7   | 105-7798 | 1    | Decal-Scalp, Anti        |  |  |  |  |
| 8   | 43-8480  | 1    | Decal-Danger             |  |  |  |  |
| 9   | 68-8340  | 1    | Decal-Torque             |  |  |  |  |
| 10  | 104-8569 | 1    | Decal-Warning            |  |  |  |  |
| 11  | 107-3137 | 1    | Plate-Turbo              |  |  |  |  |
| 12  | 3274-104 | 2    | Screw-HSBH               |  |  |  |  |
| 13  | 1-303334 | 4    | Washer-Spring            |  |  |  |  |
| 14  | 3296-29  | 2    | Nut-Lock, NI             |  |  |  |  |





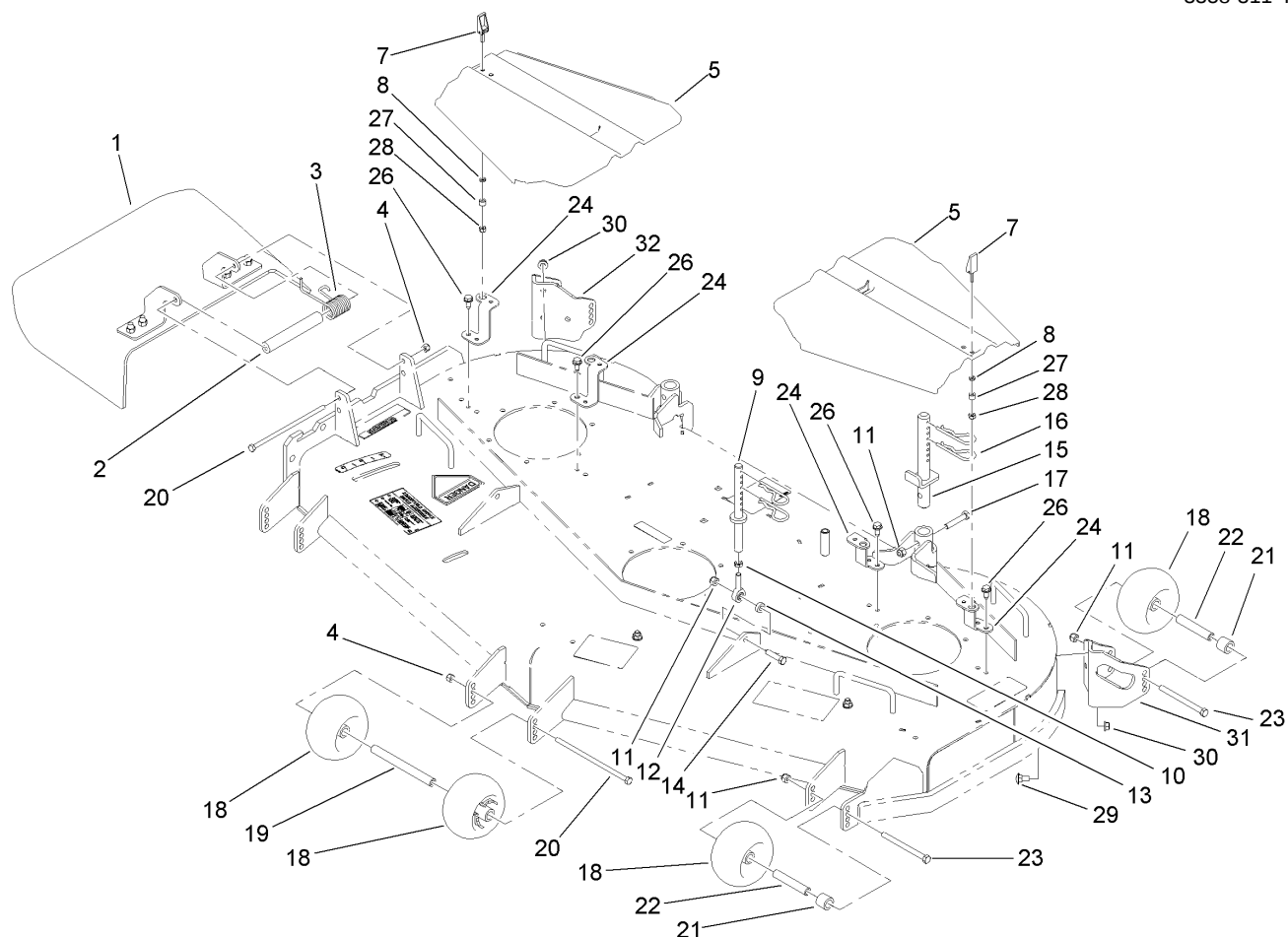
## Spindle Assembly No. 110-0731

| Ref | Part No. | Qty. | Description        |
|-----|----------|------|--------------------|
| 1   | 3219-7   | 1    | Nut-Hex            |
| 2   | 7-4150   | 1    | Washer             |
| 3   | 108-6642 | 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 |

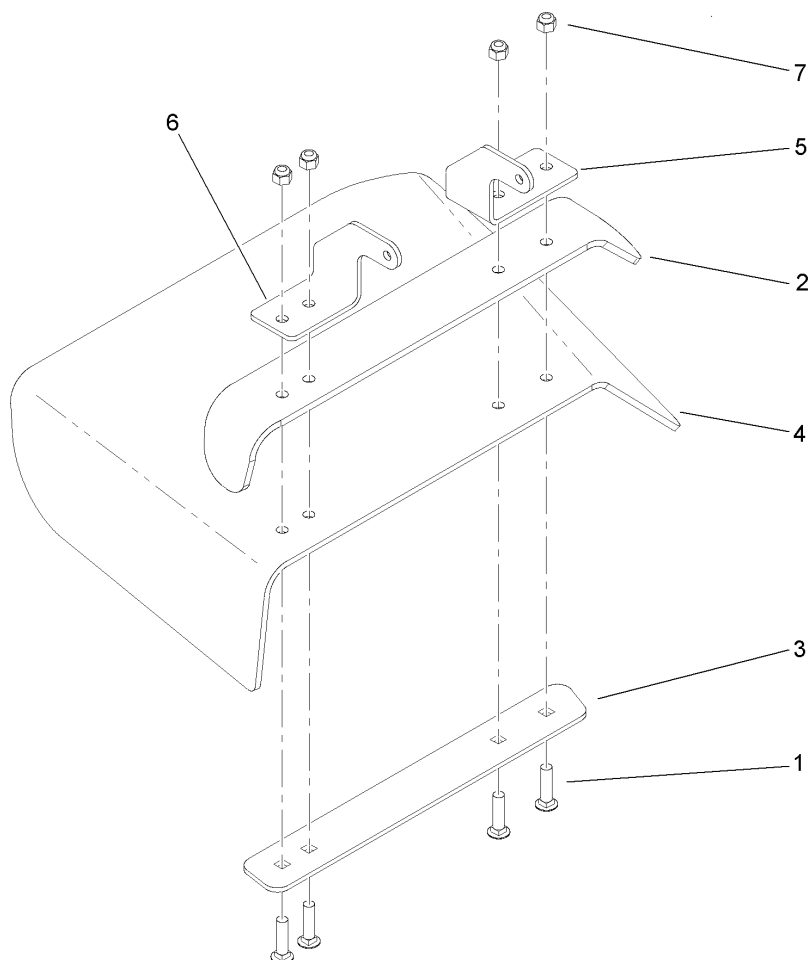
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## Outer Deck Assembly

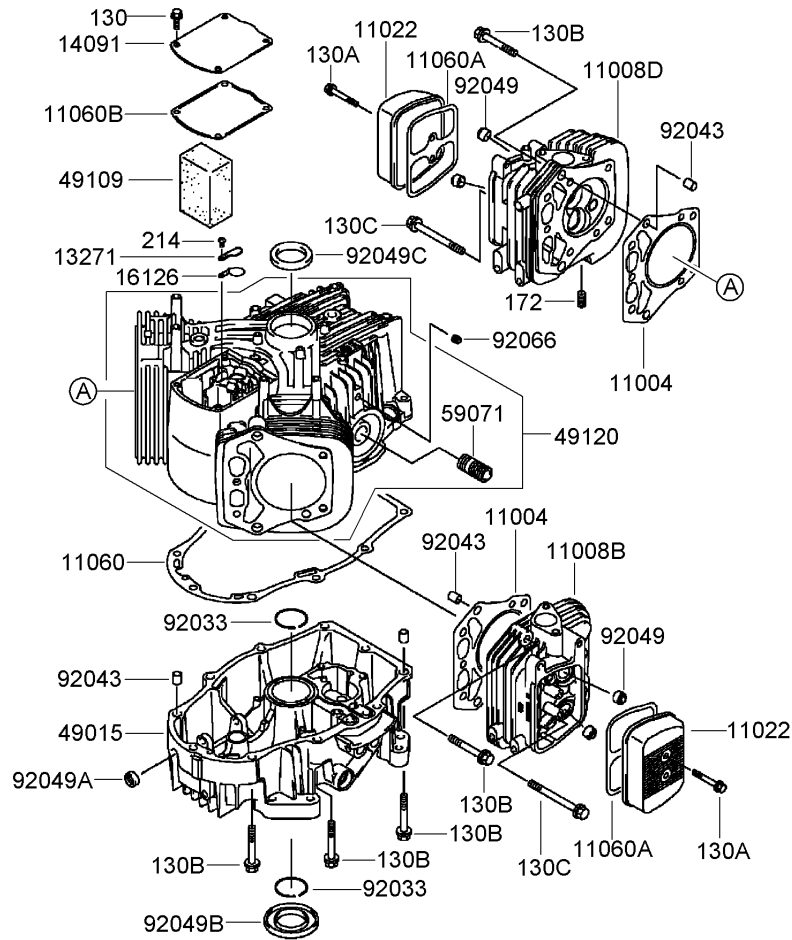
| Ref | Part No.    | Qty. | Description         |
|-----|-------------|------|---------------------|
| 1   | 110-0758    | 1    | Deflector ASM       |
| 2   | 105-4622    | 1    | Spacer              |
| 3   | 104-8554    | 1    | Spring-Torsion      |
| 4   | 3296-29     | 2    | Nut-Lock, NI        |
| 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     | 8    | 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    | 6    | Roller-Scalp, Anti  |
| 19  | 98-5967     | 1    | Spacer-Wheel        |
| 20  | 322-50      | 2    | Screw-HH            |
| 21  | 98-7913     | 4    | Tube-Spacer         |
| 22  | 98-7912     | 4    | Tube-Spanner        |
| 23  | 323-23      | 4    | Screw-HH            |
| 24  | 108-2698-01 | 4    | Bracket-Cover       |
| 26  | 32144-70    | 4    | Screw-HWHTF         |

| Ref | Part No.    | Qty. | Description          |
|-----|-------------|------|----------------------|
| 27  | 106-6778    | 2    | Bushing-Latch, Swell |
| 28  | 1-804254    | 2    | Nut                  |
| 29  | 3231-1      | 6    | Screw-CARR           |
| 30  | 32128-21    | 6    | Nut-HF               |
| 31  | 110-0736-01 | 1    | Bracket-Roller, LH   |
| 32  | 110-0737-01 | 1    | Bracket-Roller, RH   |



# Deflector Assembly No. 110-0758

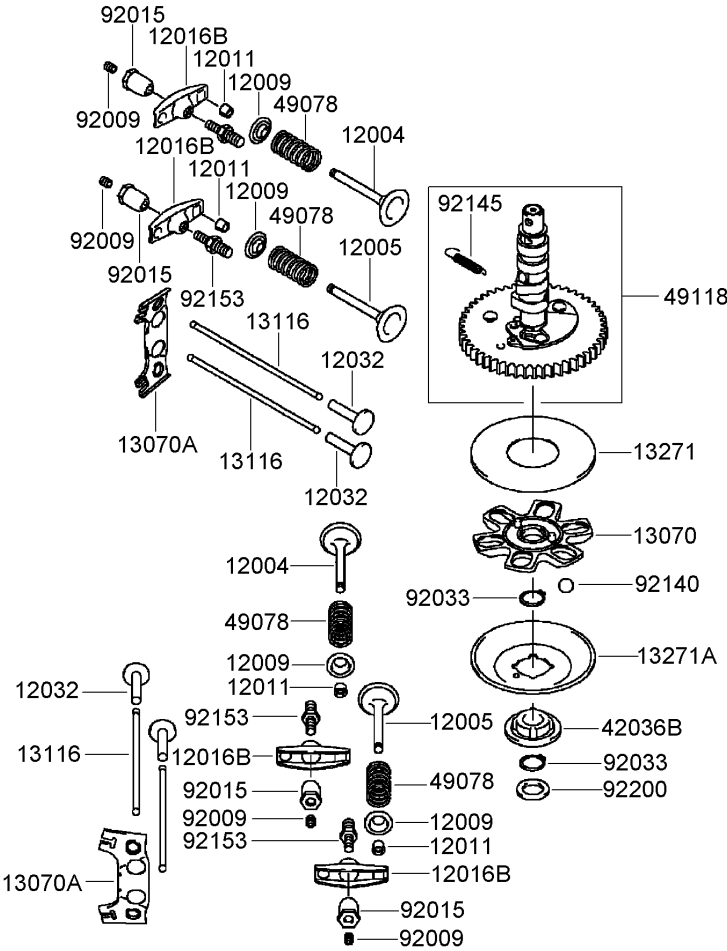
| Ref | Part No.    | Qty. | Description          |
|-----|-------------|------|----------------------|
| 1   | 3231-4      | 4    | Screw-CARR           |
| 2   | 106-3246-01 | 1    | Deflector            |
| 3   | 106-3248-03 | 1    | Strap-Discharge      |
| 4   | 110-0759    | 1    | Deflector-Rubber     |
| 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 FH680V-DS22**

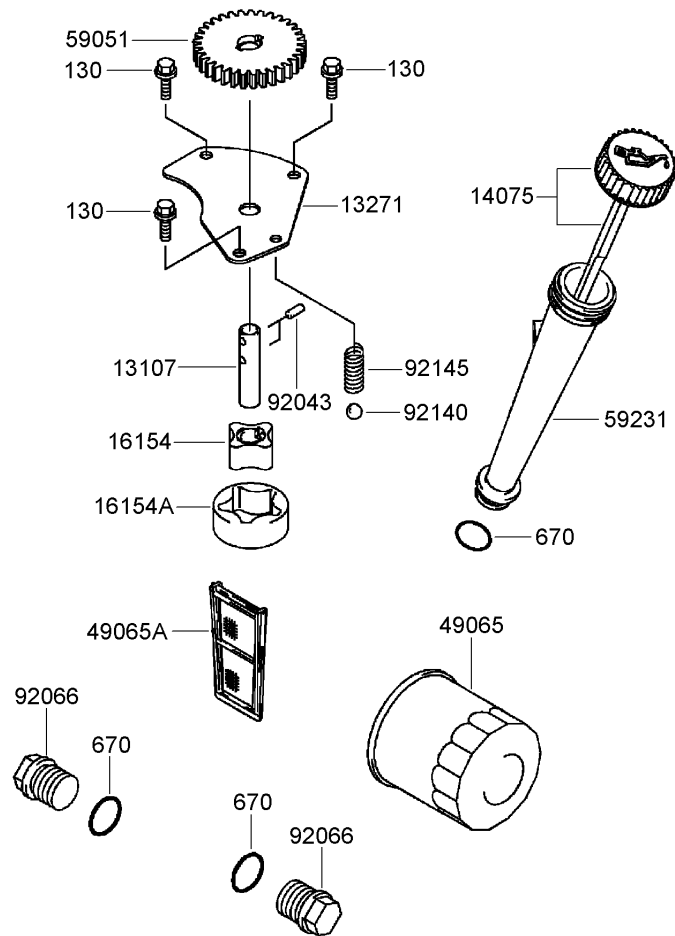
| Ref     | Part No.   | Qty. | Description                   | Ref   | Part No. | Qty. | Description         |
|---------|------------|------|-------------------------------|-------|----------|------|---------------------|
| ❶11004  | 11004-7006 | 2    | Gasket-Head                   | ❶130C | 130T0875 | 2    | Bolt-Flanged (8X75) |
| ❶11008B | 11008-7023 | 1    | Head-Cylinder, No.2           | ❶172  | 172G0818 | 4    | Bolt-Stud (8X18)    |
| ❶11008D | 11008-7024 | 1    | Head-Cylinder, No.1           | ❶214  | 214B0408 | 1    | Screw-Pan (4X8)     |
| ❶11022  | 11022-7002 | 2    | Case-Rocker                   |       |          |      |                     |
| ❶11060  | 11060-7012 | 1    | Gasket-Cover, Crankcase       |       |          |      |                     |
| ❶11060A | 11060-7013 | 2    | Gasket-Case, Rocker           |       |          |      |                     |
| ❶11060B | 11060-7014 | 1    | Gasket-Breather               |       |          |      |                     |
| ❶13271  | 13271-7006 | 1    | Plate                         |       |          |      |                     |
| ❶14091  | 14091-7004 | 1    | Cover                         |       |          |      |                     |
| ❶16126  | 16126-7001 | 1    | Valve                         |       |          |      |                     |
| ❶49015  | 49015-7039 | 1    | Cover-Crankcase               |       |          |      |                     |
| ❶49109  | 49109-7003 | 1    | Element-Breather              |       |          |      |                     |
| ❶49120  | 49120-7037 | 1    | Crankcase                     |       |          |      |                     |
| ❶59071  | 59071-2079 | 1    | Joint                         |       |          |      |                     |
| ❶92033  | 92033-7004 | 2    | Ring-Snap                     |       |          |      |                     |
| ❶92043  | 92043-7001 | 6    | Pin                           |       |          |      |                     |
| ❶92049  | 92049-7001 | 4    | Seal-Oil, R V C2 (6X11X10.2)  |       |          |      |                     |
| ❶92049A | 92049-7005 | 1    | Seal-Oil, S O (8X14X5 H S)    |       |          |      |                     |
| ❶92049B | 92049-7011 | 1    | Seal-Oil, S D (35X62X8 L H S) |       |          |      |                     |
| ❶92049C | 92049-7014 | 1    | Seal-Oil, S D (35X52X7 R H S) |       |          |      |                     |
| ❶92066  | 92066-7002 | 1    | Plug                          |       |          |      |                     |
| ❶130    | 130B0612   | 4    | Bolt-Flanged (6X12)           |       |          |      |                     |
| ❶130A   | 130B0640   | 4    | Bolt-Flanged (6X40)           |       |          |      |                     |
| ❶130B   | 130T0850   | 18   | Bolt-Flanged (8X50)           |       |          |      |                     |





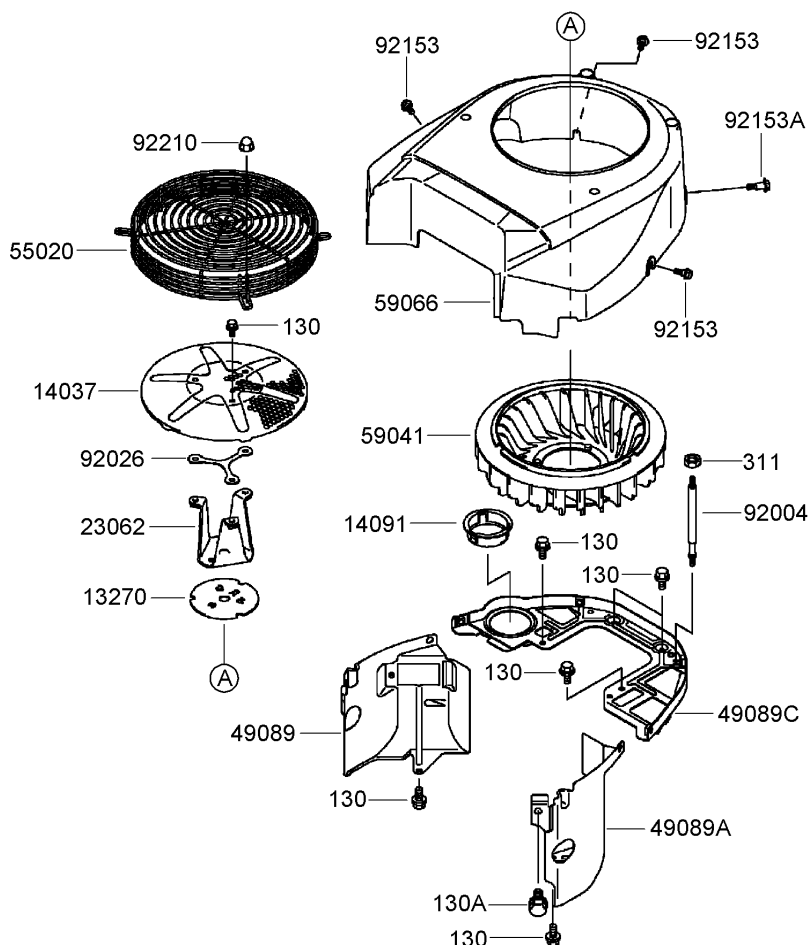
**Valve and Camshaft Assembly**  
**Kawasaki FH680V-DS22**

| Ref     | Part No.   | Qty. | Description            |  |  |  |  |
|---------|------------|------|------------------------|--|--|--|--|
| ④12004  | 12004-7002 | 2    | Valve-Intake           |  |  |  |  |
| ④12005  | 12005-7004 | 2    | Valve-Exhaust          |  |  |  |  |
| ④12009  | 12009-7001 | 4    | Retainer-Spring, Valve |  |  |  |  |
| ④12011  | 12011-2056 | 8    | Collet                 |  |  |  |  |
| ④12016B | 12016-7007 | 4    | Arm-Rocker             |  |  |  |  |
| ④12032  | 12032-7001 | 4    | Tappet                 |  |  |  |  |
| ④13070  | 13070-7004 | 1    | Guide                  |  |  |  |  |
| ④13070A | 13070-7007 | 2    | Guide                  |  |  |  |  |
| ④13116  | 13116-7002 | 4    | Rod-Push               |  |  |  |  |
| ④13271  | 13271-7007 | 1    | Plate                  |  |  |  |  |
| ④13271A | 13271-7021 | 1    | Plate-Governor         |  |  |  |  |
| ④42036B | 42036-7010 | 1    | Sleeve                 |  |  |  |  |
| ④49078  | 49078-7002 | 4    | Spring-Valve, Engine   |  |  |  |  |
| ④49118  | 49118-7007 | 1    | Camshaft               |  |  |  |  |
| ④92009  | 92009-2341 | 4    | Screw                  |  |  |  |  |
| ④92015  | 92015-2253 | 4    | Nut                    |  |  |  |  |
| ④92033  | 92033-7001 | 2    | Ring-Snap              |  |  |  |  |
| ④92140  | 92140-7002 | 6    | Ball                   |  |  |  |  |
| ④92145  | 92145-7001 | 1    | Spring                 |  |  |  |  |
| ④92153  | 92153-7019 | 4    | Bolt                   |  |  |  |  |
| ④92200  | 92200-7001 | 1    | Washer                 |  |  |  |  |



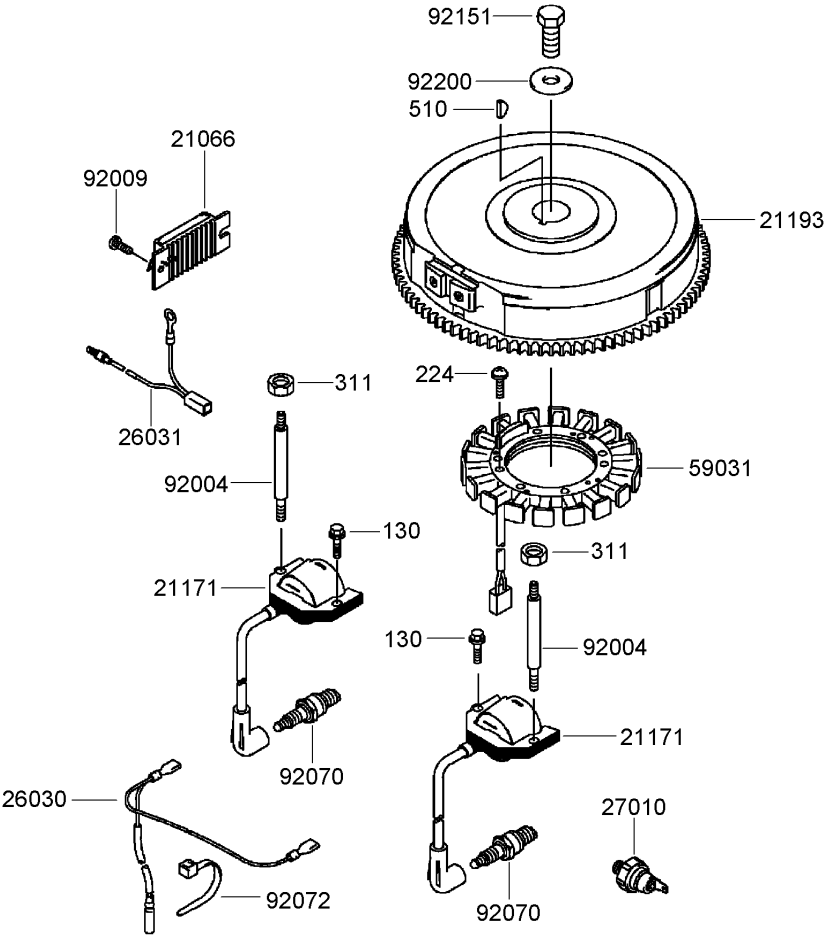
**Lubrication Equipment Assembly**  
**Kawasaki FH680V-DS22**

| Ref     | Part No.   | Qty. | Description         |  |  |  |  |
|---------|------------|------|---------------------|--|--|--|--|
| ④13107  | 13107-7009 | 1    | Shaft               |  |  |  |  |
| ④13271  | 13271-7005 | 1    | Plate               |  |  |  |  |
| ④14075  | 14075-7008 | 1    | Cap ASM             |  |  |  |  |
| ④16154  | 16154-7007 | 1    | Rotor-Pump (In)     |  |  |  |  |
| ④16154A | 16154-7008 | 1    | Rotor-Pump (Out)    |  |  |  |  |
| ④49065  | 49065-2078 | 1    | Filter-Oil          |  |  |  |  |
| ④49065A | 49065-7003 | 1    | Filter-Oil          |  |  |  |  |
| ④59051  | 59051-7011 | 1    | Gear-Spur           |  |  |  |  |
| ④59231  | 59231-7006 | 1    | Filler              |  |  |  |  |
| ④92043  | 92043-7003 | 2    | Pin                 |  |  |  |  |
| ④92066  | 92066-7003 | 2    | Plug                |  |  |  |  |
| ④92140  | 92140-7003 | 1    | Ball                |  |  |  |  |
| ④92145  | 92145-7002 | 1    | Spring              |  |  |  |  |
| ④130    | 130B0612   | 3    | Bolt-Flanged (6X12) |  |  |  |  |
| ④670    | 670D2016   | 3    | O-Ring (16Mm)       |  |  |  |  |



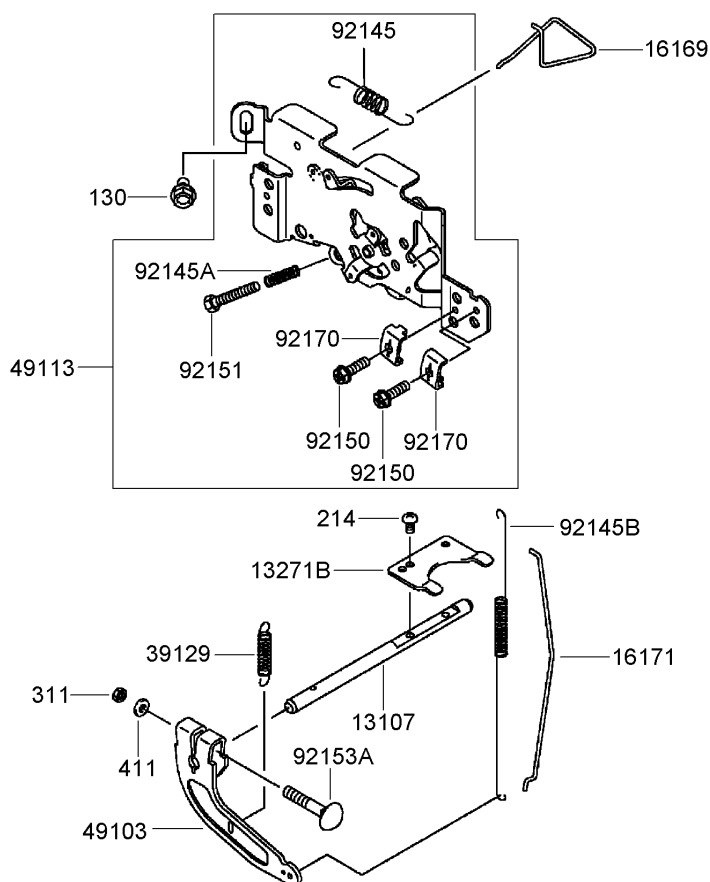
# Cooling Equipment Assembly Kawasaki FH680V-DS22

| Ref     | Part No.      | Qty. | Description         |  |  |  |  |
|---------|---------------|------|---------------------|--|--|--|--|
| ④13270  | 13270-7007    | 1    | Plate               |  |  |  |  |
| ④14037  | 14037-7008-9H | 1    | Screen              |  |  |  |  |
| ④14091  | 14091-7002    | 1    | Cover               |  |  |  |  |
| ④23062  | 23062-7005    | 1    | Bracket             |  |  |  |  |
| ④49089  | 49089-7004    | 1    | Shroud-Engine       |  |  |  |  |
| ④49089A | 49089-7005    | 1    | Shroud-Engine       |  |  |  |  |
| ④49089C | 49089-7049    | 1    | Shroud-Engine       |  |  |  |  |
| ④55020  | 55020-7007    | 1    | Guard               |  |  |  |  |
| ④59041  | 59041-7003    | 1    | Fan                 |  |  |  |  |
| ④59066  | 59066-7004    | 1    | Housing-Fan         |  |  |  |  |
| ④92004  | 92004-7006    | 2    | Stud                |  |  |  |  |
| ④92026  | 92026-7007    | 1    | Spacer              |  |  |  |  |
| ④92153  | 92153-7007    | 3    | Bolt                |  |  |  |  |
| ④92153A | 92153-7008    | 1    | Bolt                |  |  |  |  |
| ④92210  | 92210-0003    | 4    | Nut                 |  |  |  |  |
| ④130    | 130B0612      | 9    | Bolt-Flanged (6X12) |  |  |  |  |
| ④130A   | 130B0816      | 1    | Bolt-Flanged (8X16) |  |  |  |  |
| ④311    | 311B0600      | 2    | Nut-Hex (6Mm)       |  |  |  |  |



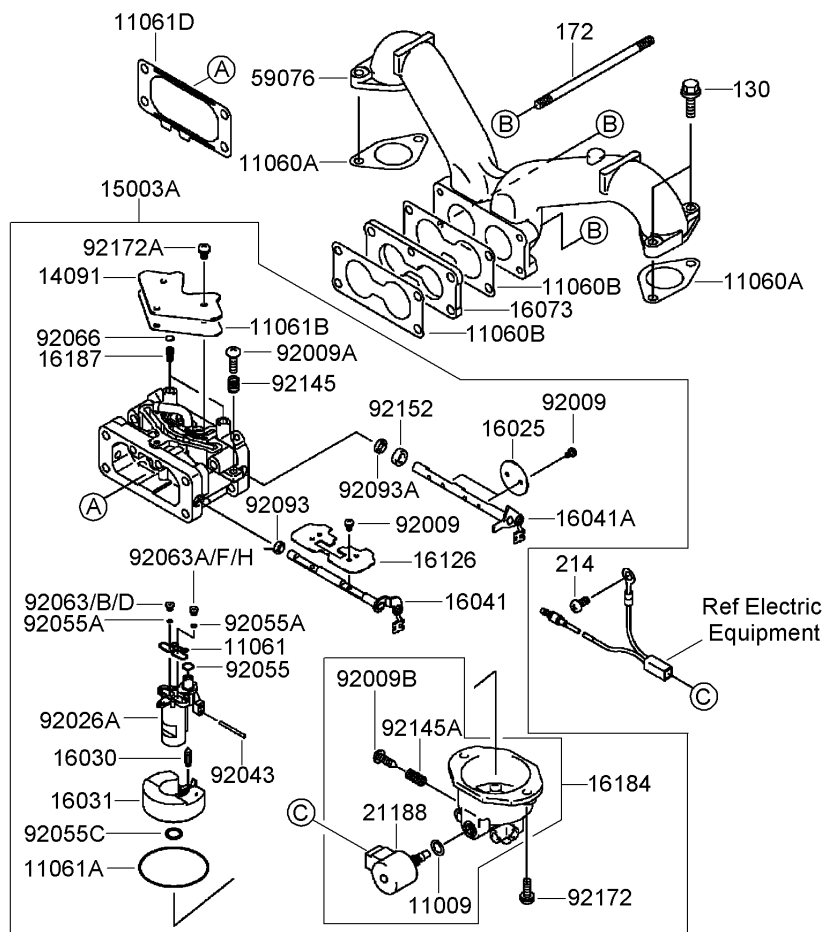
**Electric Equipment Assembly**  
**Kawasaki FH680V-DS22**

| Ref    | Part No.   | Qty. | Description                             |  |  |  |  |
|--------|------------|------|-----------------------------------------|--|--|--|--|
| ④21066 | 21066-7011 | 1    | Regulator-Voltage                       |  |  |  |  |
| ④21171 | 21171-7013 | 2    | Ignition Coil ASM                       |  |  |  |  |
| ④21193 | 21193-7019 | 1    | Flywheel-ASM                            |  |  |  |  |
| ④26030 | 26030-7002 | 1    | Harness                                 |  |  |  |  |
| ④26031 | 26031-7003 | 1    | Harness                                 |  |  |  |  |
| ④27010 | 27010-7001 | 1    | Switch                                  |  |  |  |  |
| ④59031 | 59031-7009 | 1    | Coil-Charging                           |  |  |  |  |
| ④92004 | 92004-7009 | 2    | Stud                                    |  |  |  |  |
| ④92009 | 92009-2308 | 1    | Screw                                   |  |  |  |  |
| ④92070 | 92070-7004 | 2    | Sparkplug, B P R 4 E S (N G K)<br>Solid |  |  |  |  |
| ④92072 | 92072-7003 | 2    | Band                                    |  |  |  |  |
| ④92151 | 92151-2097 | 1    | Bolt (12X30)                            |  |  |  |  |
| ④92200 | 92200-7002 | 1    | Washer                                  |  |  |  |  |
| ④130   | 130B0620   | 2    | Bolt-Flanged (6X20)                     |  |  |  |  |
| ④224   | 224B0520   | 4    | Screw-Pan (5X20)                        |  |  |  |  |
| ④311   | 311B0600   | 2    | Nut-Hex (6Mm)                           |  |  |  |  |
| ④510   | 510A5100   | 1    | Key-Woodruff                            |  |  |  |  |



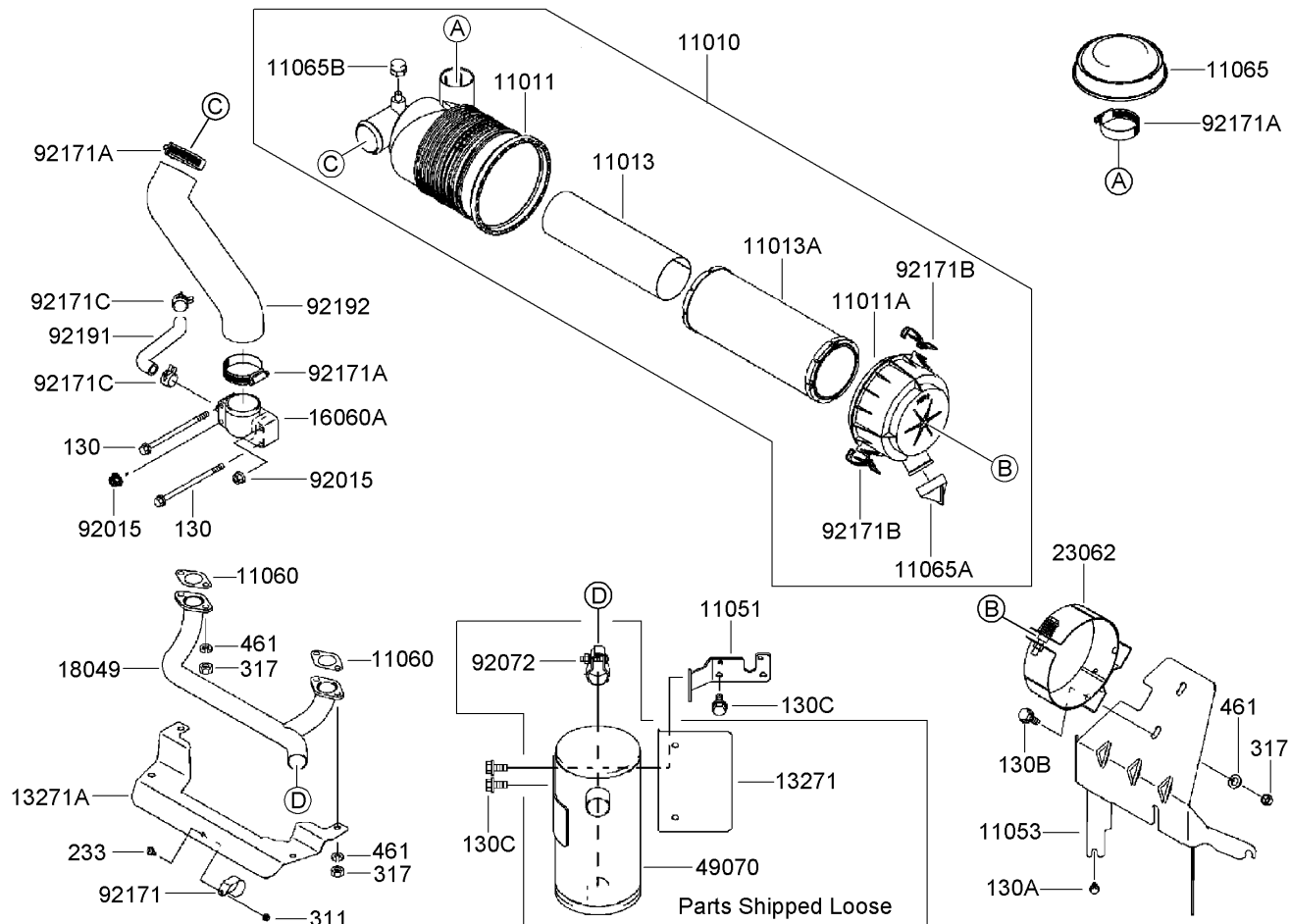
# Control Equipment Assembly Kawasaki FH680V-DS22

| Ref     | Part No.   | Qty. | Description         |  |  |  |  |
|---------|------------|------|---------------------|--|--|--|--|
| ④13107  | 13107-7013 | 1    | Shaft               |  |  |  |  |
| ④13271B | 13271-7032 | 1    | Plate               |  |  |  |  |
| ④16169  | 16169-7006 | 1    | Link-Choke          |  |  |  |  |
| ④16171  | 16171-7004 | 1    | Link                |  |  |  |  |
| ④39129  | 39129-7004 | 1    | Spring-Governor     |  |  |  |  |
| ④49103  | 49103-7004 | 1    | Arm-Governor        |  |  |  |  |
| ④49113  | 49113-7017 | 1    | Panel-Control       |  |  |  |  |
| ④92145  | 92145-7004 | 1    | Spring              |  |  |  |  |
| ④92145A | 92145-7005 | 1    | Spring              |  |  |  |  |
| ④92145B | 92145-7034 | 1    | Spring              |  |  |  |  |
| ④92150  | 92150-2182 | 2    | Bolt (5X18)         |  |  |  |  |
| ④92151  | 92151-7014 | 1    | Bolt (5X30)         |  |  |  |  |
| ④92153A | 92153-7033 | 1    | Bolt (6X35)         |  |  |  |  |
| ④92170  | 92170-7001 | 2    | Clamp               |  |  |  |  |
| ④130    | 130B0612   | 2    | Bolt-Flanged (6X12) |  |  |  |  |
| ④214    | 214B0408   | 2    | Screw-Pan (4X8)     |  |  |  |  |
| ④311    | 311B0600   | 1    | Nut-Hex (6Mm)       |  |  |  |  |
| ④411    | 411B0600   | 1    | Washer-Plain (6Mm)  |  |  |  |  |



## Carburetor Assembly Kawasaki FH680V-DS22

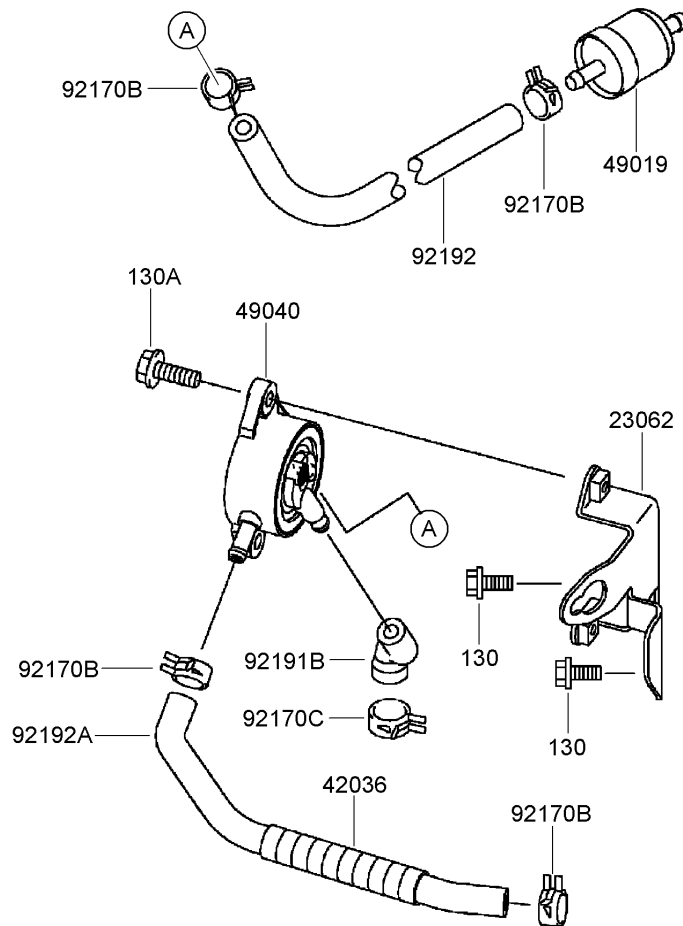
| Ref     | Part No.   | Qty. | Description       | Ref     | Part No.   | Qty. | Description             |
|---------|------------|------|-------------------|---------|------------|------|-------------------------|
| ④11009  | 11009-2056 | 1    | Gasket            | ④92043  | 92043-7014 | 1    | Pin                     |
| ④11060A | 11060-7011 | 2    | Gasket-Manifold   | ④92055  | 92055-7012 | 1    | O-Ring                  |
| ④11060B | 11060-7024 | 2    | Gasket-Carburetor | ④92055A | 92055-7013 | 2    | O-Ring                  |
| ④11061  | 11061-7037 | 1    | Gasket            | ④92055C | 92055-7016 | 1    | O-Ring                  |
| ④11061A | 11061-7038 | 1    | Gasket            | ④92063  | 92063-7051 | 1    | Jet-Main, No.104        |
| ④11061B | 11061-7039 | 1    | Gasket            | ④92063A | 92063-7054 | 1    | Jet-Main, No.108        |
| ④11061D | 11061-7043 | 1    | Gasket            | ④92063B | 92063-7075 | 1    | Jet-Main, No.101 (3280) |
| ④14091  | 14091-7031 | 1    | Cover             | ④92063D | 92063-7076 | 1    | Jet-Main, No.098 (6560) |
| ④15003A | 15003-7120 | 1    | Carburetor ASM    | ④92063F | 92063-7077 | 1    | Jet-Main, No.105 (3280) |
| ④16025  | 16025-7003 | 2    | Valve-Throttle    | ④92063H | 92063-7078 | 1    | Jet-Main, No.102 (6560) |
| ④16030  | 16030-7004 | 1    | Valve-Float       | ④92066  | 92066-7009 | 2    | Plug, Extension         |
| ④16031  | 16031-7003 | 1    | Float             | ④92093  | 92093-7001 | 1    | Seal (I D 5.9)          |
| ④16041  | 16041-7021 | 1    | Shaft-Carburetor  | ④92093A | 92093-7002 | 1    | Seal (I D 6.9)          |
| ④16041A | 16041-7024 | 1    | Shaft-Carburetor  | ④92145  | 92145-7010 | 1    | Spring                  |
| ④16073  | 16073-7005 | 1    | Insulator         | ④92145A | 92145-7011 | 1    | Spring                  |
| ④16126  | 16126-7015 | 1    | Valve             | ④92152  | 92152-7005 | 1    | Collar                  |
| ④16184  | 16184-7017 | 1    | Chamber Float ASM | ④92172  | 92172-7005 | 2    | Screw                   |
| ④16187  | 16187-7002 | 2    | Needle-Jet        | ④92172A | 92172-7006 | 3    | Screw                   |
| ④21188  | 21188-7003 | 1    | Solenoid          | ④130    | 130B0620   | 4    | Bolt-Flanged (6X20)     |
| ④59076  | 59076-7002 | 1    | Manifold-Intake   | ④172    | 172G06105  | 2    | Bolt-Stud (6X10.5 )     |
| ④92009  | 92009-7003 | 6    | Screw             | ④214    | 214B0510   | 1    | Screw-Pan (5X10)        |
| ④92009A | 92009-7004 | 1    | Screw             |         |            |      |                         |
| ④92009B | 92009-7006 | 1    | Screw-Drain       |         |            |      |                         |
| ④92026A | 92026-7011 | 1    | Spacer            |         |            |      |                         |



## Air Filter and Muffler Assembly Kawasaki FH680V-DS22

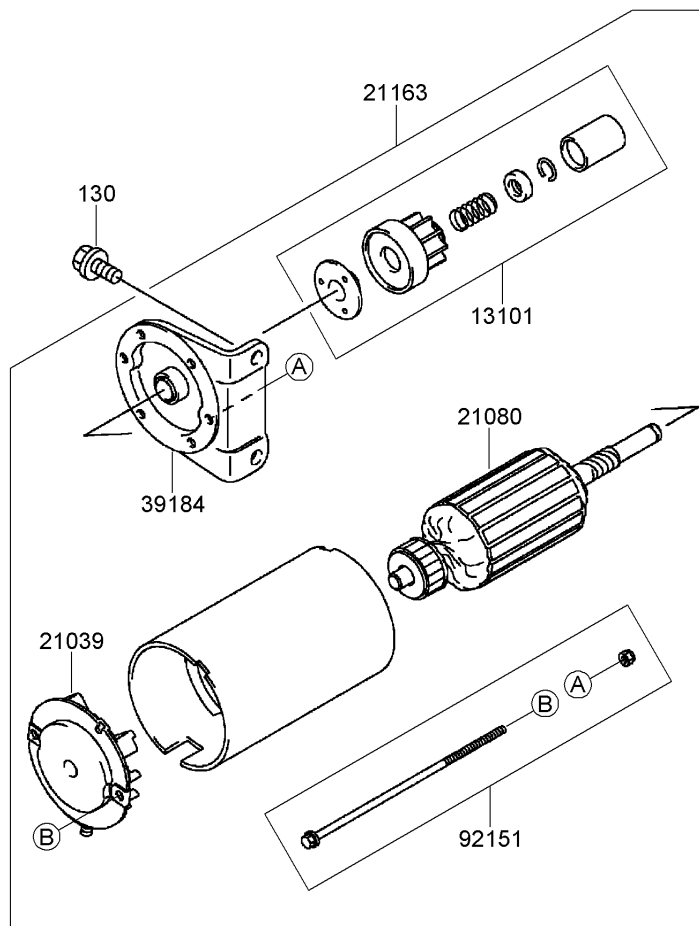
| Ref     | Part No.      | Qty. | Description         |
|---------|---------------|------|---------------------|
| ④11010  | 11010-7011    | 1    | Air Filter ASM      |
| ④11011  | 11011-7013    | 1    | Case-Filter, Air    |
| ④11011A | 11011-7014    | 1    | Case-Filter, Air    |
| ④11013  | 11013-7019    | 1    | Element-Filter, Air |
| ④11013A | 11013-7020    | 1    | Element-Filter, Air |
| ④11051  | 11051-7002-9H | 1    | Bracket             |
| ④11053  | 11053-7016    | 1    | Bracket             |
| ④11060  | 11060-7016    | 2    | Gasket-Muffler      |
| ④11065  | 11065-7006    | 1    | Cap                 |
| ④11065A | 11065-7008    | 1    | Cap                 |
| ④11065B | 11065-7009    | 1    | Cap                 |
| ④13271  | 13271-7008-9X | 1    | Plate               |
| ④13271A | 13271-7009-9X | 1    | Plate               |
| ④16060A | 16060-7021    | 1    | Pipe-Intake         |
| ④18049  | 18049-7003    | 1    | Pipe-Exhaust        |
| ④23062  | 23062-7009    | 1    | Bracket             |
| ④49070  | 49070-7013    | 1    | Muffler             |
| ④92015  | 92015-1193    | 2    | Nut                 |
| ④92072  | 92072-7009    | 1    | Band                |
| ④92171  | 92171-7002    | 1    | Clamp               |
| ④92171A | 92171-7007    | 3    | Clamp               |

| Ref     | Part No.   | Qty. | Description            |
|---------|------------|------|------------------------|
| ④92171B | 92171-7009 | 2    | Clamp                  |
| ④92171C | 92171-7013 | 2    | Clamp                  |
| ④92191  | 92191-7006 | 1    | Tube                   |
| ④92192  | 92192-7030 | 1    | Tube                   |
| ④130    | 130B06105  | 2    | Bolt-Flanged (6X10.5 ) |
| ④130A   | 130B0612   | 2    | Bolt-Flanged (6X12)    |
| ④130B   | 130B0814   | 2    | Bolt-Flanged (8X14)    |
| ④130C   | 130B0816   | 3    | Bolt-Flanged (8X16)    |
| ④233    | 233B0416   | 1    | Screw (4X16)           |
| ④311    | 311B0400   | 1    | Nut-Hex (4Mm)          |
| ④317    | 317R0800   | 6    | Nut-Hex (8Mm)          |
| ④461    | 461F0800   | 6    | Washer-Spring (8Mm)    |



## Fuel Tank and Valve Assembly Kawasaki FH680V-DS22

| Ref     | Part No.      | Qty. | Description          |  |  |  |  |
|---------|---------------|------|----------------------|--|--|--|--|
| ④23062  | 23062-7004-9H | 1    | Bracket              |  |  |  |  |
| ④42036  | 42036-7012    | 1    | Sleeve               |  |  |  |  |
| ④49019  | 49019-7001    | 1    | Filter-Fuel          |  |  |  |  |
| ④49040  | 49040-7001    | 1    | Pump-Fuel            |  |  |  |  |
| ④92170B | 92170-2088    | 4    | Clamp                |  |  |  |  |
| ④92170C | 92170-7003    | 1    | Clamp                |  |  |  |  |
| ④92191B | 92191-7027    | 1    | Tube                 |  |  |  |  |
| ④92192  | 92192-7037    | 1    | Tube (6.35X12.7X160) |  |  |  |  |
| ④92192A | 92192-7039    | 1    | Tube (6.35X12.7X200) |  |  |  |  |
| ④130    | 130B0616      | 2    | Bolt-Flanged (6X16)  |  |  |  |  |
| ④130A   | 130B0620      | 2    | Bolt-Flanged (6X20)  |  |  |  |  |



# Starter Assembly Kawasaki FH680V-DS22

| Ref    | Part No.   | Qty. | Description         |  |  |  |  |
|--------|------------|------|---------------------|--|--|--|--|
| ④13101 | 13101-7003 | 1    | Gear ASM            |  |  |  |  |
| ④21039 | 21039-7004 | 1    | Brush               |  |  |  |  |
| ④21080 | 21080-7001 | 1    | Armature            |  |  |  |  |
| ④21163 | 21163-7010 | 1    | Starter-Electric    |  |  |  |  |
| ④39184 | 39184-7004 | 1    | Bracket ASM         |  |  |  |  |
| ④92151 | 92151-7013 | 1    | Bolt                |  |  |  |  |
| ④130   | 130B0816   | 2    | Bolt-Flanged (8X16) |  |  |  |  |



## Attachments and Accessories

### For 30280 - Commercial Walk-Behind Mower, Floating Deck Pistol Grip Hydro with 60in TURBO FORCE Cutting Unit

| Product Name                    | Model/Part  |
|---------------------------------|-------------|
| Blade-Mid Flow, 20.5 Inch ..... | 105-7715-03 |
| Blade-Lo Flow, 20.5 Inch .....  | 105-7716-03 |
| Blade-Recycler, 20.5 Inch ..... | 105-7777-03 |
| Blade-Atomic, 20.5 Inch .....   | 105-8777-03 |
| Turbo Baffle Kit .....          | 107-1634    |
| Weight-Cast .....               | 112-7059-01 |
| 60 Inch Recycler Kit .....      | 112-7070    |
| Weight Kit .....                | 112-9971    |
| Soft Bag (3 Bushel) .....       | 30104       |
| Tru Trak Sulky .....            | 30110       |

## NOTES

## NOTES

