Form No. 3361-231 Rev C

TORO®

Count on it.

Parts Catalog

# Z Master® G3 Riding Mower

## with 48in TURBO FORCE® Side Discharge Mower

**Model No. 74901—Serial No. 290000001 and Up**

# 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 illustration and in parts 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.

# List of Abbreviations

**AR:** as required

**ASM:** assembly

**BBC:** blade brake control

**BHTF:** button head thread forming

**CARR:** carriage

**CCW:** counter clockwise

**CW:** clockwise

**DEG:** degrees

**ECM:** electronic control module

**EXT:** external

**FH:** flat head

**GA:** gauge

**HD:** heavy-duty

**HF:** hex flange

**HH:** hex head

**HHF:** hex head flange

**HHFTF:** hex head flange thread forming

**HJ:** hex jam

**HLH:** hex lag head

**HOC:** height-of-cut

**HSBH:** hex socket button head

**HSFH:** hex socket flat head

**HSH:** hex socket head

**HWH:** hex washer head

**HWHTF:** hex washer head thread forming

**HYD:** hydraulic

**LH:** left hand

**LP:** Liquid Propane

**NI:** nylon insert

**NPTF:** national pipe thread fine

**PFH:** phillips flat head

**PPH:** phillips pan head

**PPHTF:** phillips pan head thread forming

**PRH:** phillips round head

**PTH:** phillips truss head

**PTO:** power-take-off

**RH:** right hand

**ROPS:** roll-over protection system

**RRB:** rear roller brush

**SFH:** slotted fillister head

**SHH:** slotted hex head

**SHWH:** slotted hex washer head

**SPH:** slotted pan head

**SQH:** square head

**SRH:** slotted round head

**STD:** standard

**TAP:** self tapping

**TTH:** torx truss head

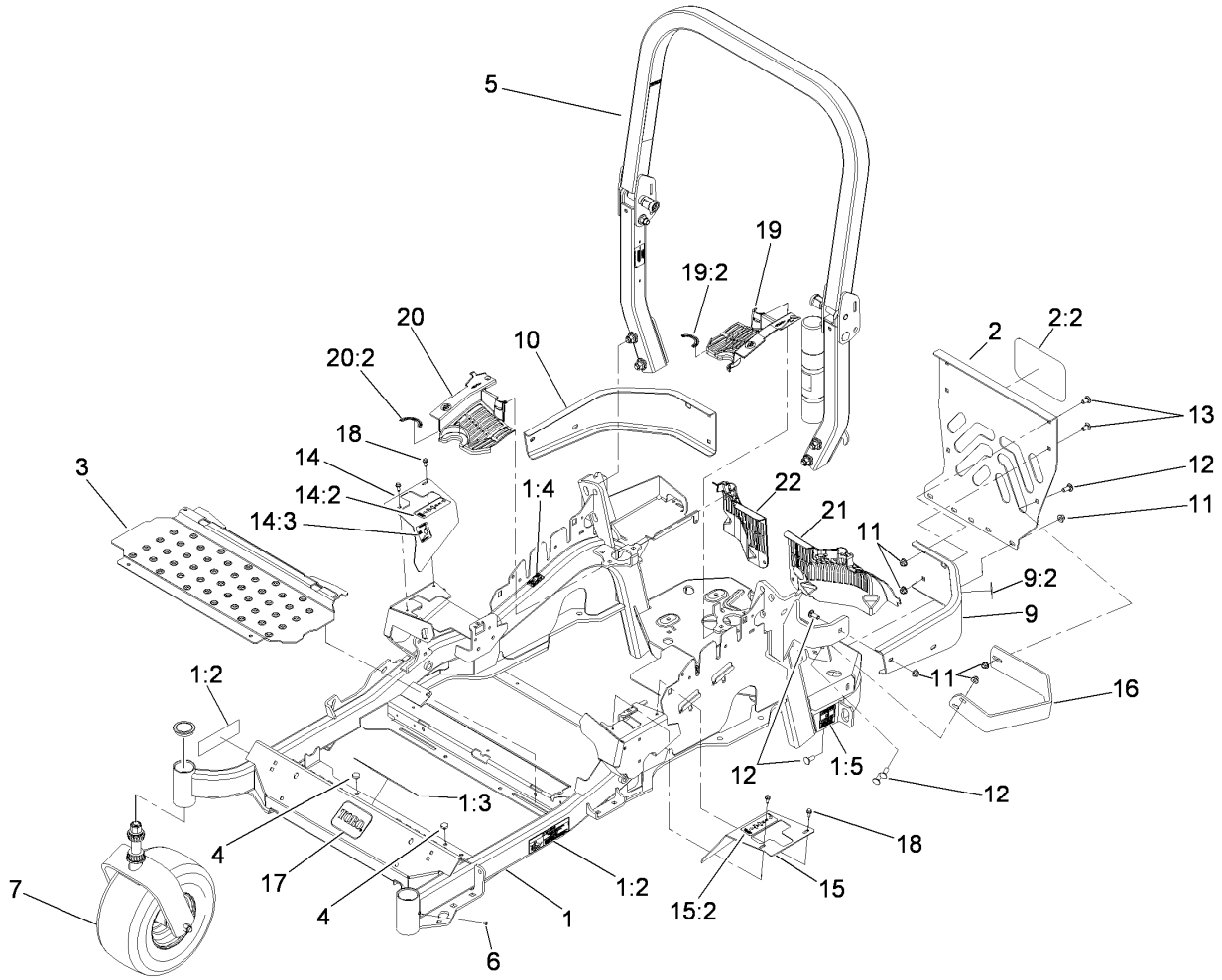
**© 2010—The Toro® Company**
**8111 Lyndale Avenue South**
**Bloomington, MN 55420**



**Contact us at www.Toro.com.**
**Printed in the USA.**
**All Rights Reserved**

# Contents


Front Frame and Caster Wheel Assembly . . . . . 4
Roll-Over Protection System Assembly No. 116-0231 . . . . . 5
Caster Wheel and Fork Assembly . . . . . 6
Hydraulic Pump, Idler and Belt Assembly . . . . . 7
Pump Ilder Assembly No. 116-1255 . . . . . 8
LH Hydro Assembly No. 116-1322 . . . . . 9
RH Hydro Assembly No. 116-1323 . . . . . 10
Rear Wheel and Park Brake Assembly . . . . . 11
Brake Handle Assembly No. 117-0383 . . . . . 12
Fuel System Assembly . . . . . 13
Fuel Tank Assembly No. 109-9357 . . . . . 14
Seat Mounting Assembly . . . . . 15
Seat Assembly No. 116-0035 . . . . . 16
Motion Control Assembly . . . . . 17
Fender, Console and Control Assembly . . . . . 18
LH Console Assembly No. 115-7403 . . . . . 19
RH Console Assembly No. 115-7402 . . . . . 20
Electrical System Assembly . . . . . 21
Deck Assembly . . . . . 22
Deck Decal Assembly No. 114-5805 . . . . . 23
Idler Assembly . . . . . 24
Spindle Assembly No. 107-8504 . . . . . 25
Rubber Deflector Assembly No. 108-7770 . . . . . 26
Deck Lift Assembly . . . . . 27
Height-of-Cut Assembly No. 109-7438 . . . . . 28
Engine, Clutch and Muffler Assembly . . . . . 29
Crankcase Assembly Kohler CV680-3020 . . . . . 30
Head, Valve and Breather Assembly Kohler CV680-3020 . . . . . 32
Crankshaft Assembly . . . . . 34
Oil Pan and Lubrication Assembly Kohler CV680-3020 . . . . . 35
Ignition and Electrical Assembly Kohler CV680-3020 . . . . . 36
Blower Housing Assembly Kohler CV680-3020 . . . . . 37
Starter Assembly Kohler CV680-3020 . . . . . 38
Fuel System Assembly Kohler CV680-3020 . . . . . 39
Engine Control Assembly Kohler CV680-3020 . . . . . 40
Air Intake and Filtration Assembly Kohler CV680-3020 . . . . . 41
Exhaust Assembly Kohler CV680-3020 . . . . . 42
Decals Kohler CV680-3020 . . . . . 43
Attachments and Accessories . . . . . 44

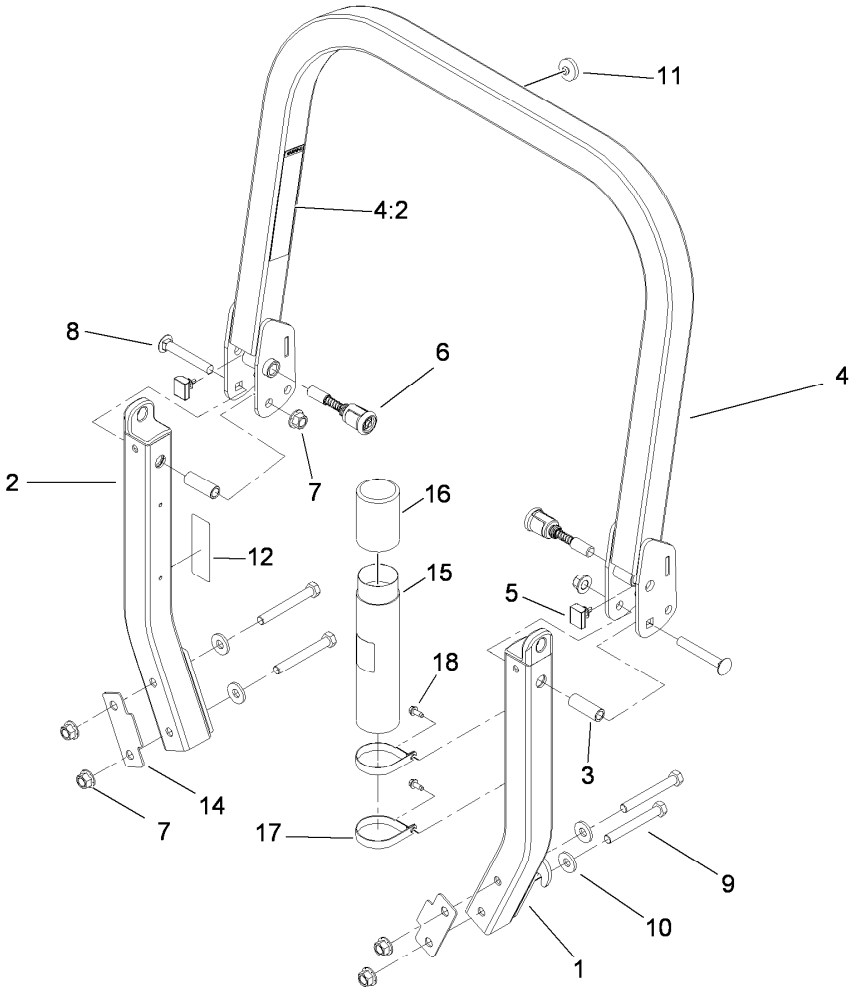



# Front Frame and Caster Wheel Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 109-7345 | 1 | Main Frame ASM |
| 1:2 | 109-9477 | 2 | Decal-Warning |
| 1:3 | 107-2112 | 1 | Decal-Warning |
| 1:4 | 103-2076 | 2 | Decal-Caution |
| 1:5 | 116-0205 | 2 | Decal-Belt Drive |
| 2 | 115-7410 | 1 | Rear Guard ASM |
| 2:2 | 67-7320 | 1 | Decal |
| 3 | 116-0024-01 | 1 | Floorpan |
| 4 | 1-513658 | 2 | Bumper |
| 5 | 116-0231 | 1 | ROPS ASM |
| 6 | 1-811010 | 2 | Plug |
| 7 | | 2 | Front Caster ASM ● |
| 9 | 116-0180 | 1 | LH Bumper ASM |
| 9:2 | 103-2076 | 1 | Decal-Caution |
| 10 | 116-0057-03 | 1 | Bumper-RH |
| 11 | 104-8301 | 11 | Nut-Flange, NI |
| 12 | 3231-22 | 7 | Screw-CARR |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 13 | 3231-21 | 4 | Screw-CARR |
| 14 | 116-0579 | 1 | RH Motion Control Cover ASM |
| 14:2 | 109-7232 | 1 | Decal-Motion Control |
| 14:3 | 109-7929 | 1 | Decal-Park Brake |
| 15 | 116-0580 | 1 | LH Motion Control Cover ASM |
| 15:2 | 109-7232 | 1 | Decal-Motion Control |
| 16 | 116-0043-03 | 1 | Guard-Muffler |
| 17 | 68-3640 | 1 | Decal |
| 18 | 32144-10 | 4 | Screw-HWH |
| 19 | 116-0170 | 1 | LH Hydro Guard ASM |
| 19:2 | 116-0157 | 1 | Decal-Hydro Oil |
| 20 | 116-0171 | 1 | RH Hydro Guard ASM |
| 20:2 | 116-0157 | 1 | Decal-Hydro Oil |
| 21 | 109-9057 | 1 | Guard-Hydro, Rear LH |
| 22 | 109-9058 | 1 | Guard-Hydro, Rear RH |

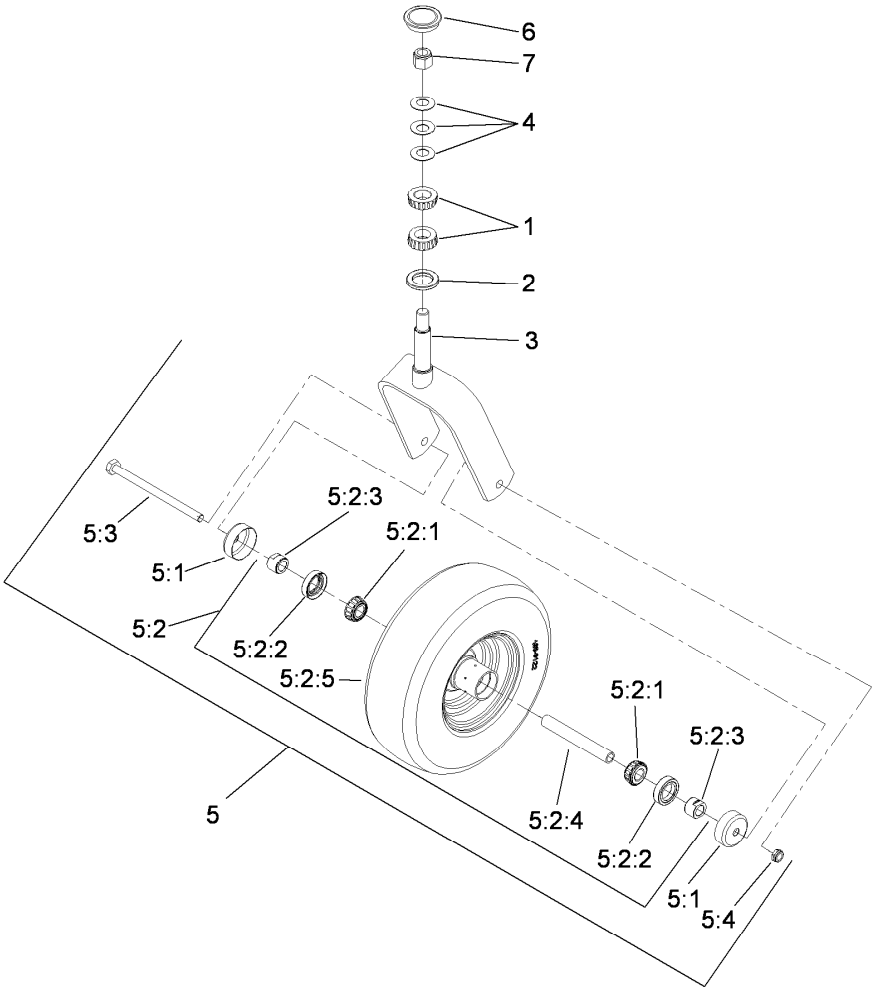
● Not serviced separately




# Roll-Over Protection System Assembly No. 116-0231

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 1 | Leg-ROPS, LH ● |
| 2 | | 1 | Leg-ROPS, RH ● |
| 3 | 109-6653 | 2 | Spacer |
| 4 | | 1 | Upper ROPS ASM ● |
| 4:2 | 107-2102 | 1 | Decal-Warning, Folding ROPS |
| 5 | 109-5337 | 2 | Bumper-ROPS |
| 6 | 116-0104 | 2 | Spring Pin ASM |
| 7 | 99-5107 | 6 | Nut-Lock |
| 8 | 3233-10 | 2 | Screw-CARR |
| 9 | 325-17 | 4 | Screw-HH |
| 10 | 1-513435 | 4 | Washer-Spring |
| 11 | 109-9233 | 1 | Bumper-Push-In, Rubber |
| 12 | 116-0090 | 1 | Decal-Caution |
| 14 | 116-0960 | 2 | Spacer |
| 15 | 104-7050 | 1 | Tube-Manual |
| 16 | 104-7048 | 1 | Cap-Housing |
| 17 | 107-1865 | 2 | R-Clamp |
| 18 | 32144-10 | 2 | Screw-HWH |

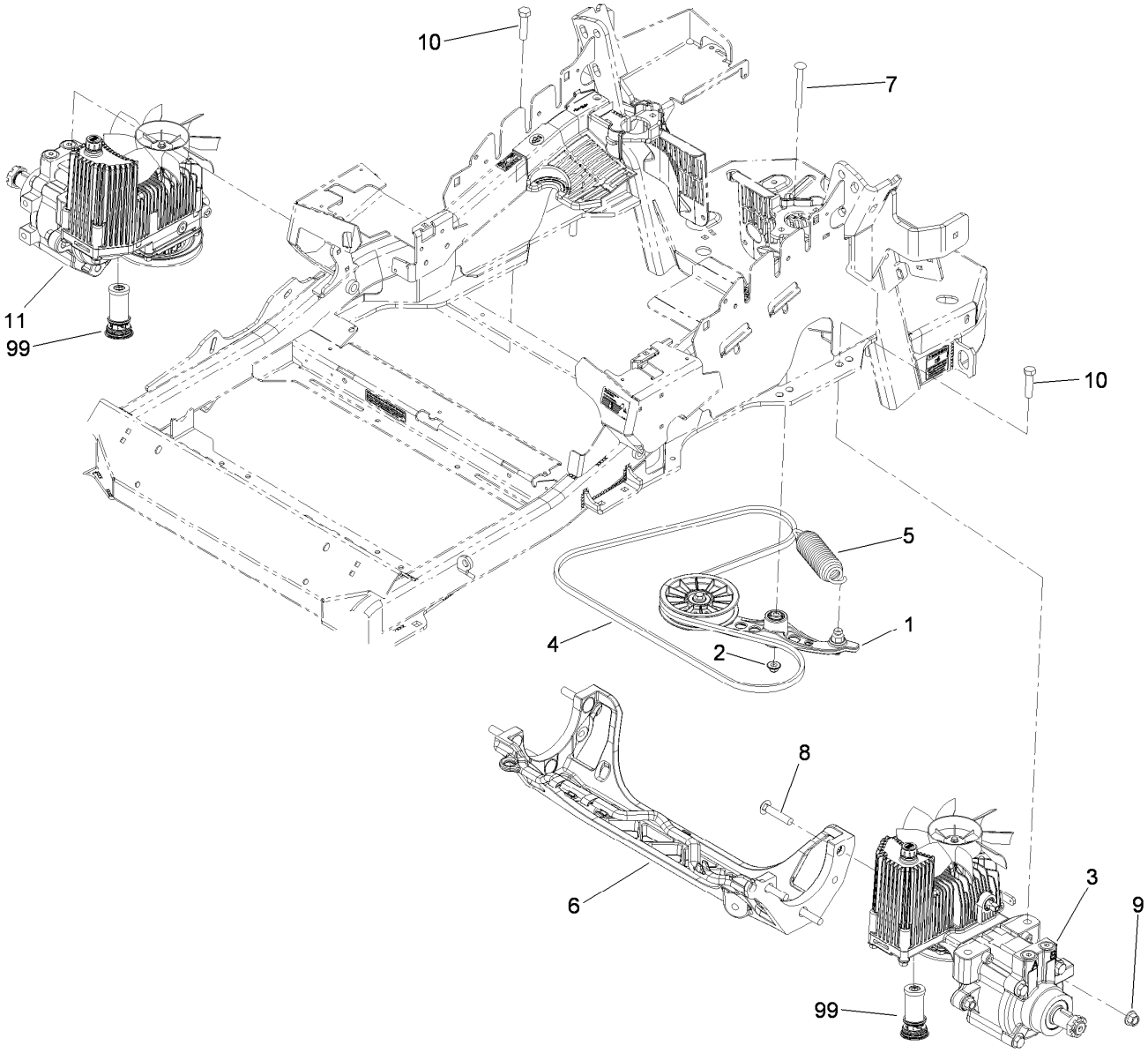
● Not serviced separately




# Caster Wheel and Fork Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 1-543509 | 2 | Bearing-Roller, Tapered |
| 2 | 1-543511 | 1 | Seal-Grease |
| 3 | 109-9422-01 | 1 | Fork-Caster |
| 4 | 1-633508 | 3 | Washer-Bellville |
| 5 | 109-9126 | 1 | Wheel And Tire ASM |
| 5:1 | 103-2768 | 2 | Guard-Seal |
| 5:2 | | 1 | Wheel And Tire ASM ● |
| 5:2:1 | 1-633585 | 2 | Bearing-Cone, Taper |
| 5:2:2 | 103-0063 | 2 | Seal-Caster |
| 5:2:3 | 103-3051 | 2 | Spacer-Nut |
| 5:2:4 | 103-3155 | 1 | Axle-Caster |
| 5:2:5 | | 1 | Wheel And Tire ASM ● |
| 5:3 | 325-36 | 1 | Screw-HH |
| 5:4 | 3296-45 | 1 | Nut-Lock, NI |
| 6 | 103-4882 | 1 | Cap-Grease |
| 7 | 3296-51 | 1 | Nut-Lock, NI |

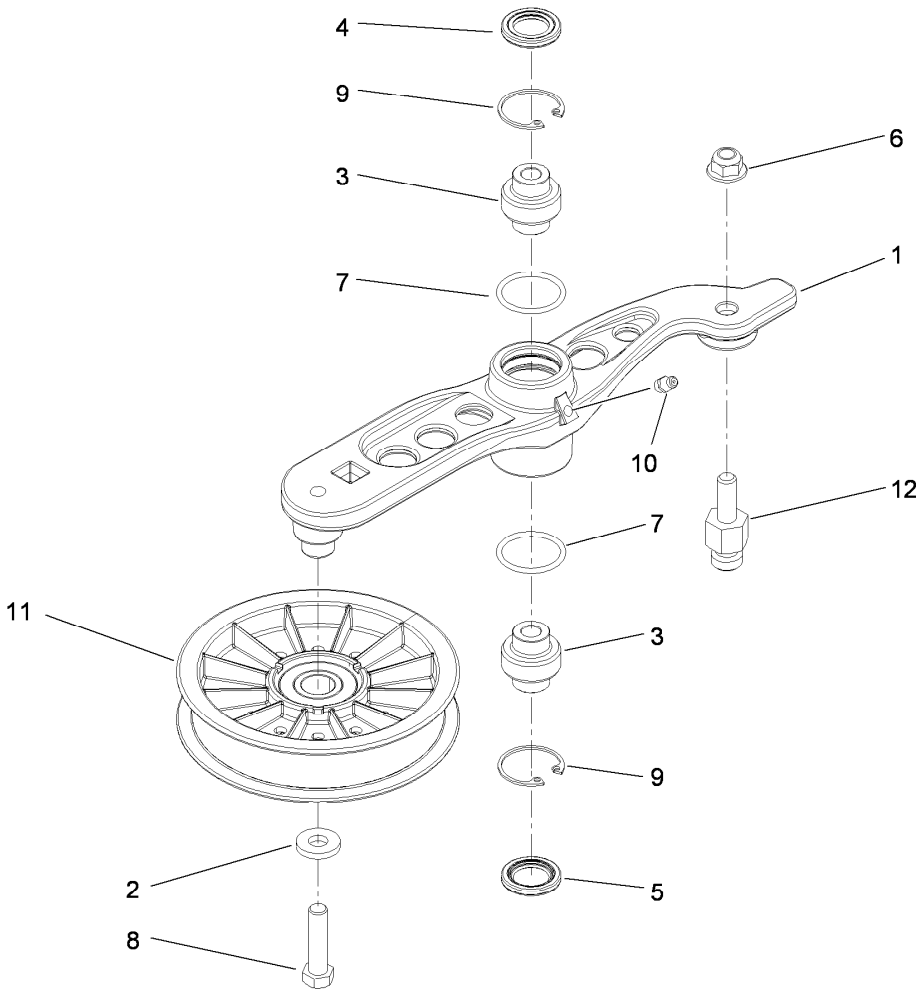
● Not serviced separately




# Hydraulic Pump, Idler and Belt Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 116-1255 | 1 | Pump Idler ASM |
| 2 | 109-6658 | 1 | Nut-Flange, NI |
| 3 | 116-1322 | 1 | LH Hydro ASM (12Cc W/Check) |
| 4 | 109-3388 | 1 | Belt |
| 5 | 116-0133 | 1 | Extension-Spring |
| 6 | 109-9375 | 1 | Cradle-Hydro |
| 7 | 3231-41 | 1 | Bolt-Carriage |
| 8 | 3233-34 | 6 | Screw-CARR |
| 9 | 99-5107 | 6 | Nut-Lock |
| 10 | 325-8 | 4 | Screw-HH |
| 11 | 116-1323 | 1 | RH Hydro ASM (12Cc W/Check) |
| 99 | 114-4713 | 1 | Hypr-Oil 500 (Quart) ● |
| 99 | 114-4714 | 1 | Hypr-Oil 500 (Gallon) ● |
| 99 | 114-4715 | 1 | Hypr-Oil 500-5 (5 Gallon) ● |
| 99 | 117-0390 | 1 | Filter-Hydro |

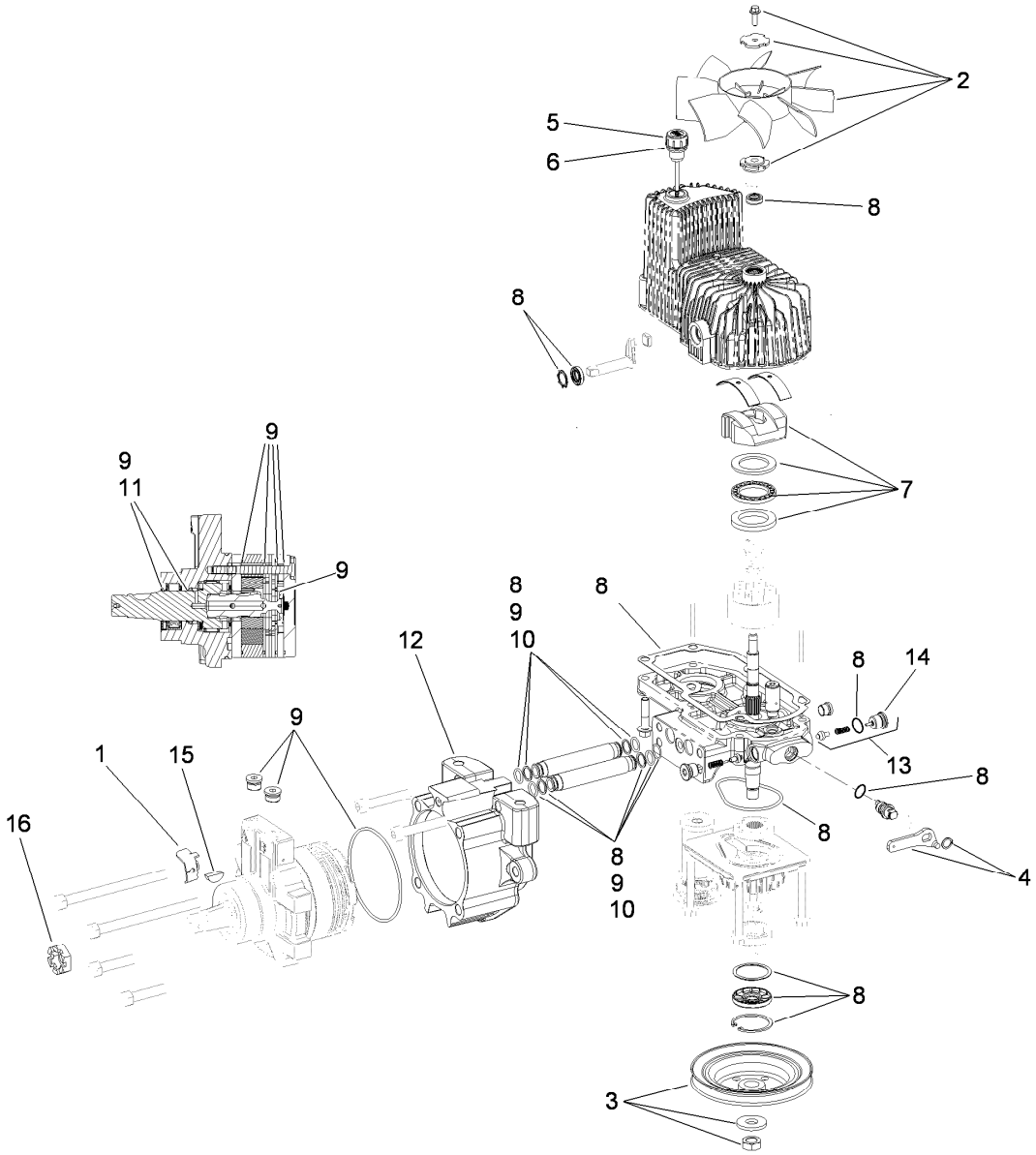
● Not illustrated




# Pump Ilder Assembly No. 116-1255

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 1 | Arm-Pump, Idler ● |
| 2 | 43-0940 | 1 | Spacer-Hub, Blower |
| 3 | 103-3504 | 2 | Bearing-Spherical |
| 4 | 103-3505 | 1 | Seal-Double Lip |
| 5 | 103-3506 | 1 | Seal-Single Lip |
| 6 | 104-8301 | 1 | Nut-Flange, NI |
| 7 | 106-7159 | 2 | O-Ring |
| 8 | 323-8 | 1 | Screw-HH |
| 9 | 32120-10 | 2 | Ring-Snap |
| 10 | 302-19 | 1 | Fitting-Grease |
| 11 | 109-8076 | 1 | Pulley-Idler |
| 12 | 109-7399 | 1 | Pin-Anchor, Spring |

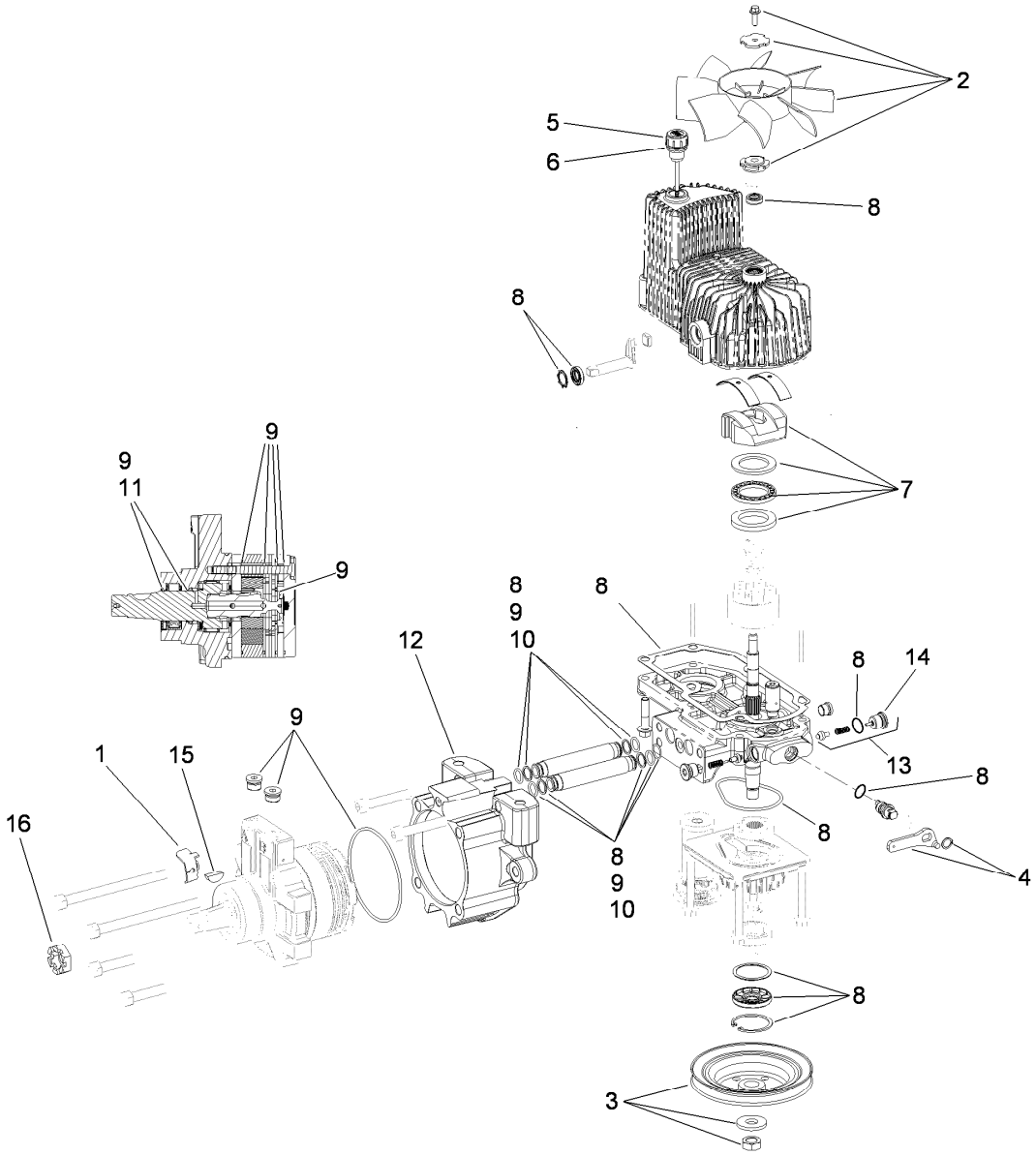
● Not serviced separately




# LH Hydro Assembly No. 116-1322

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 116-1758 | 1 | Bracket-Anchor, Cable |
| 2 | 116-0233 | 1 | Fan Kit |
| 3 | 116-0234 | 1 | Pulley Kit |
| 4 | 116-0235 | 1 | Handle-Bypass Valve, Hydro |
| 5 | 116-0236 | 1 | Dipstick-Hydro W/Gasket |
| 6 | 116-0237 | 1 | Gasket-Dipstick, Hydro |
| 7 | 116-1367 | 1 | Swash Block Kit |
| 8 | 116-1368 | 1 | Pump Seal Kit |
| 9 | 116-1369 | 1 | Motor Seal Kit |
| 10 | 116-1370 | 1 | Tube Seal Kit |
| 11 | 116-1371 | 1 | Output Shaft Seal Kit |
| 12 | 116-1372 | 1 | Cup-Nose |
| 13 | 116-1630 | 1 | Check Valve ASM |
| 14 | 116-1631 | 1 | Check Plug W/O-Ring |
| 15 | 3257-42 | 1 | Key-Woodruff |
| 16 | 1-809036 | 1 | Nut-HH |
| 99 | 116-1373 | 1 | Flow Test Kit ● |

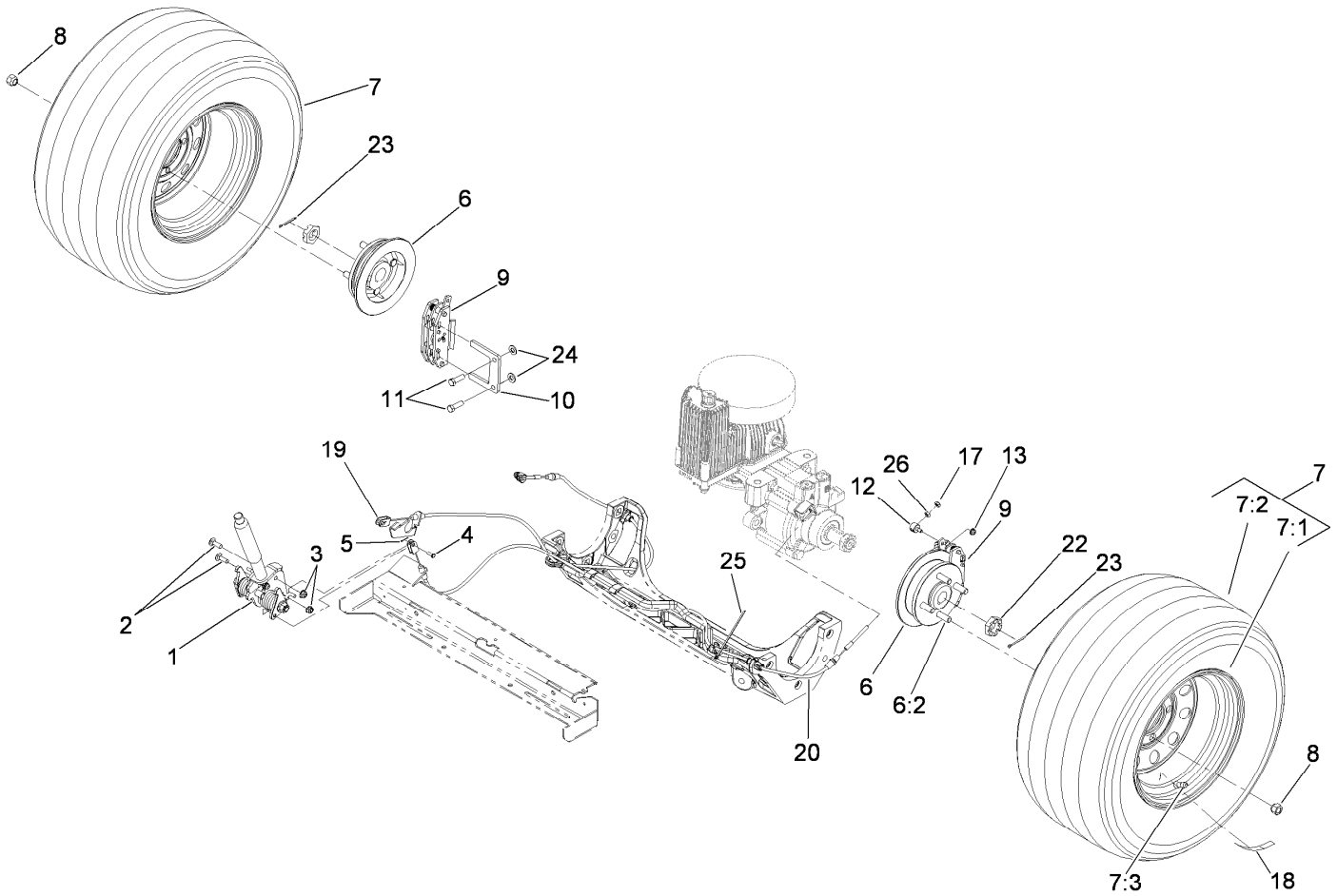
● Not illustrated




# RH Hydro Assembly No. 116-1323

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 116-1758 | 1 | Bracket-Anchor, Cable |
| 2 | 116-0233 | 1 | Fan Kit |
| 3 | 116-0234 | 1 | Pulley Kit |
| 4 | 116-0235 | 1 | Handle-Bypass Valve, Hydro |
| 5 | 116-0236 | 1 | Dipstick-Hydro W/Gasket |
| 6 | 116-0237 | 1 | Gasket-Dipstick, Hydro |
| 7 | 116-1367 | 1 | Swash Block Kit |
| 8 | 116-1368 | 1 | Pump Seal Kit |
| 9 | 116-1369 | 1 | Motor Seal Kit |
| 10 | 116-1370 | 1 | Tube Seal Kit |
| 11 | 116-1371 | 1 | Output Shaft Seal Kit |
| 12 | 116-1372 | 1 | Cup-Nose |
| 13 | 116-1630 | 1 | Check Valve ASM |
| 14 | 116-1631 | 1 | Check Plug W/O-Ring |
| 15 | 3257-42 | 1 | Key-Woodruff |
| 16 | 1-809036 | 1 | Nut-HH |
| 99 | 116-1373 | 1 | Flow Test Kit ● |

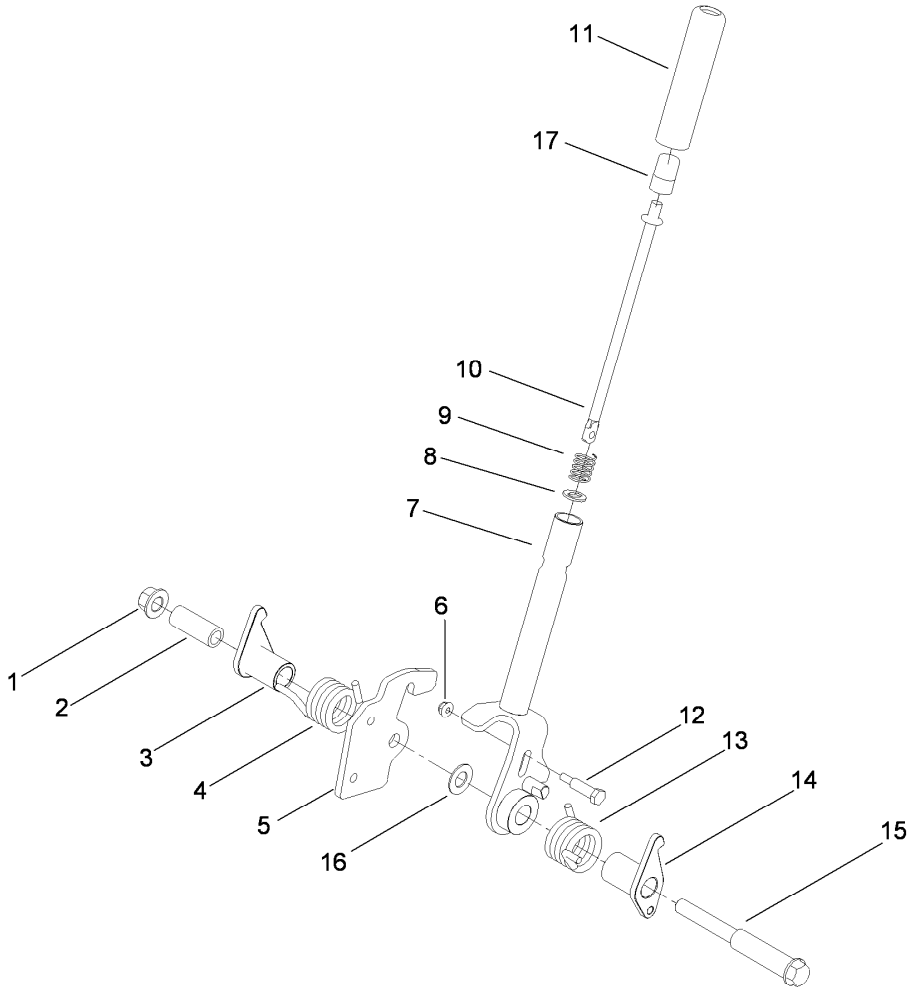
● Not illustrated




# Rear Wheel and Park Brake Assembly

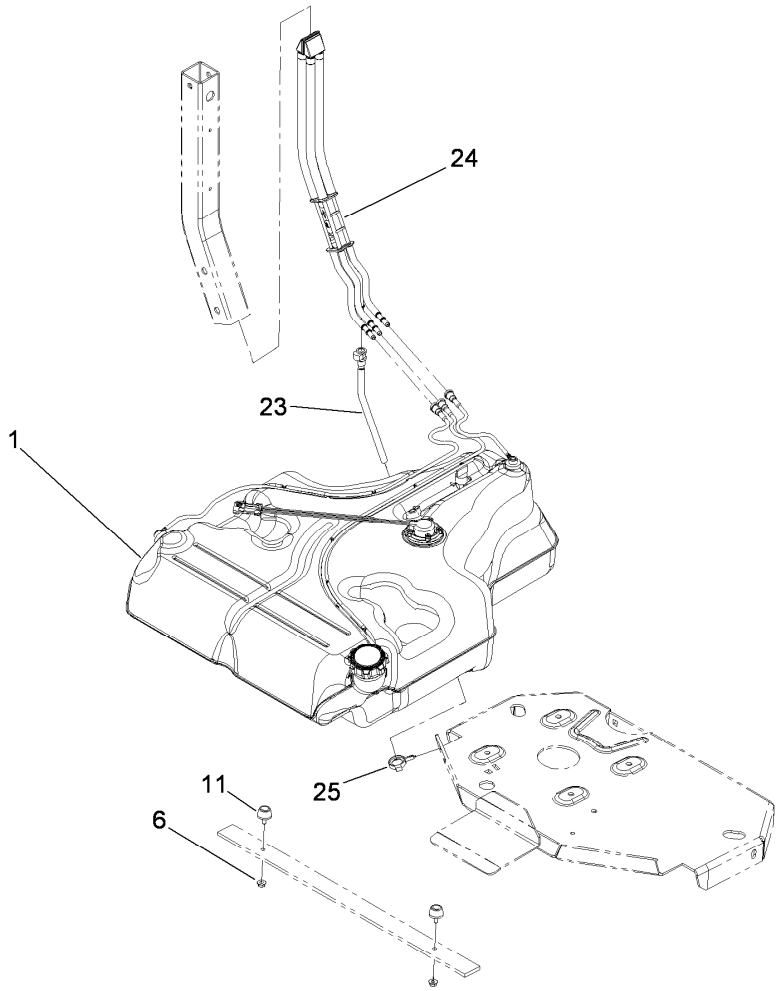
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 117-0383 | 1 | Brake Handle ASM |
| 2 | 3230-2 | 2 | Bolt-CARR |
| 3 | 104-8300 | 2 | Nut-Flange, NI |
| 4 | 60-1730 | 2 | Pin-Clevis |
| 5 | 3272-1 | 2 | Pin-Cotter |
| 6 | 115-3624 | 2 | Wheel Hub And Stud ASM |
| 6:2 | 1-633926 | 4 | Stud-Wheel |
| 7 | 115-3590 | 2 | Wheel And Tire ASM |
| 7:1 | 109-3645 | 1 | Rim ASM |
| 7:2 | 1-653160 | 1 | Tire |
| 7:3 | 232-27 | 1 | Stem-Valve |
| 8 | 242-50 | 8 | Nut-Lug |
| 9 | 109-2889 | 2 | Caliper-Brake |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 10 | 109-0958 | 2 | Plate-Mount, Brake |
| 11 | 323-7 | 4 | Screw-HH |
| 12 | 112-8379 | 2 | Swivel |
| 13 | 104-7201 | 2 | Nut-HF |
| 17 | 3296-13 | 2 | Nut-Lock NI |
| 18 | 116-0165 | 2 | Decal-Hub, Wheel |
| 19 | 115-3584 | 1 | Cable |
| 20 | 115-3585 | 1 | Cable |
| 22 | 1-809036 | 2 | Nut-HH |
| 23 | 1-806800 | 2 | Pin-Cotter |
| 24 | 3256-24 | 4 | Washer-Flat |
| 25 | 116-0940 | 1 | Tie-Cable |
| 26 | 3219-1 | 2 | Nut-Hex |



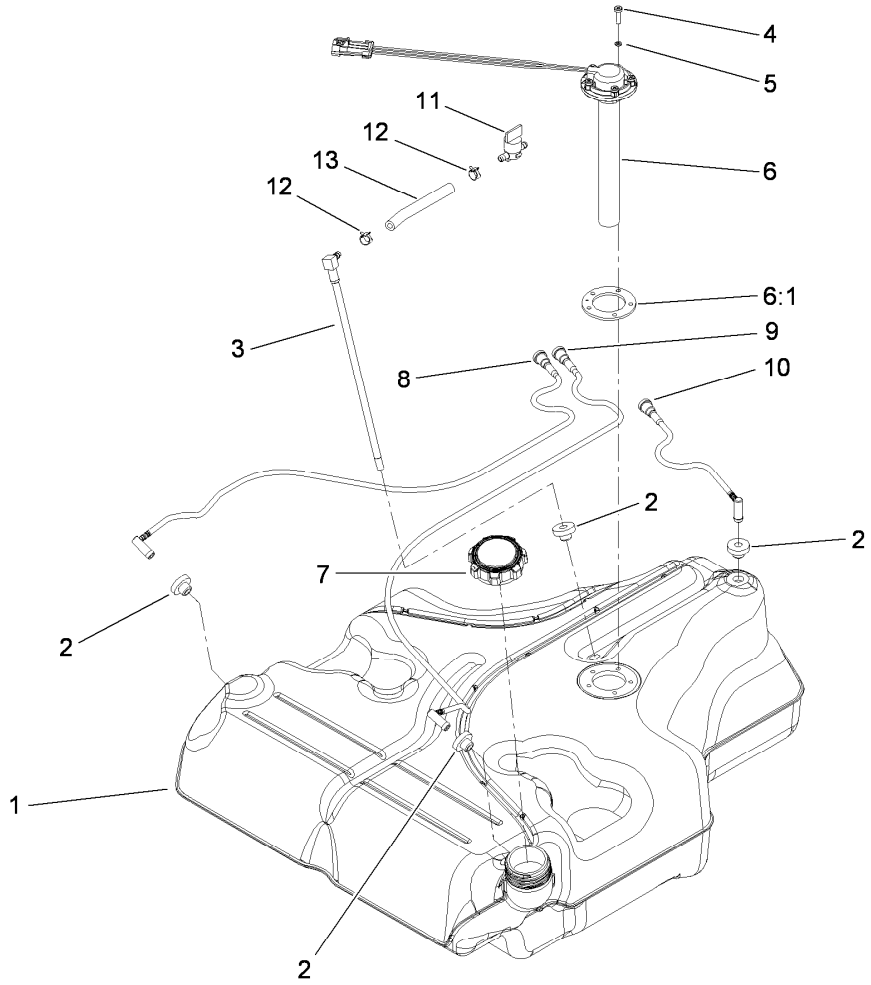

# Brake Handle Assembly No. 117-0383

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 99-5107 | 1 | Nut-Lock |
| 2 | 117-0380 | 1 | Spacer |
| 3 | 115-3580 | 1 | Arm-Brake, LH |
| 4 | 117-0376 | 1 | Spring-Torsion, RH |
| 5 | 115-3574 | 1 | Plate-Latch |
| 6 | 104-7201 | 1 | Nut-HF |
| 7 | 117-0382-03 | 1 | Brake Handle ASM |
| 8 | 114-1207 | 1 | Washer-Special |
| 9 | 114-8187 | 1 | Spring-Compression |
| 10 | 115-3581 | 1 | Rod-Release, Brake |
| 11 | 115-3592 | 1 | Grip |
| 12 | 112-8387 | 1 | Bolt-Shoulder |
| 13 | 117-0375 | 1 | Spring-Torsion, LH |
| 14 | 115-3579 | 1 | Arm-Brake, RH |
| 15 | 117-0379 | 1 | Bolt-Shoulder |
| 16 | 117-0378 | 1 | Washer |
| 17 | 115-2750 | 1 | Knob |




# Fuel System Assembly

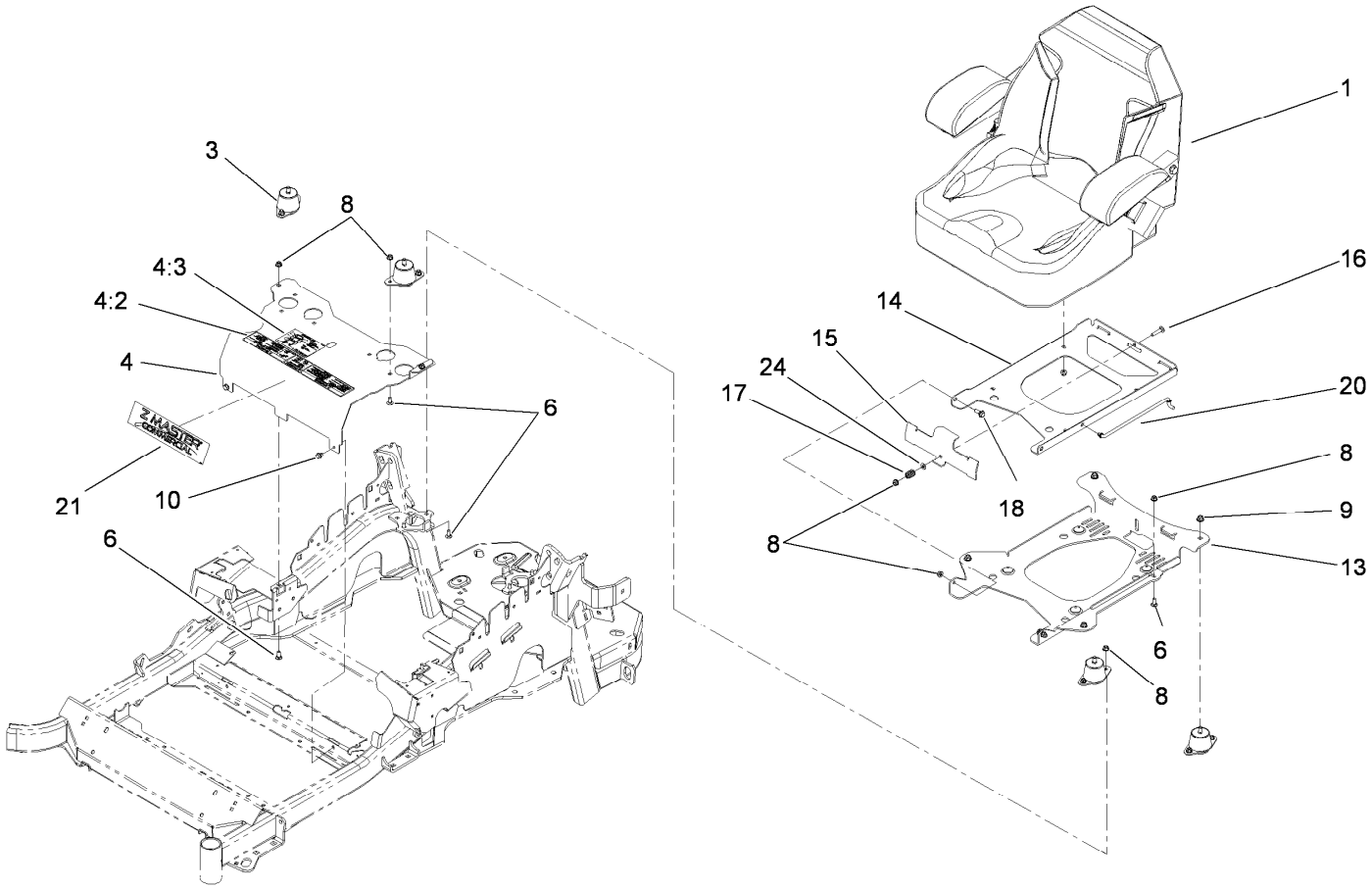
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 109-9656 | 1 | Fuel Tank ASM (W/O Sender) |
| 1 | 109-9357 | 1 | Fuel Tank ASM |
| 6 | 32128-33 | 2 | Nut-HF |
| 11 | 109-2365 | 2 | Bumper-Rubber (W/Stud) |
| 23 | 109-9450 | 1 | Tube-Vent, Fuel Drain |
| 24 | 109-9491 | 1 | Fuel Manifold Vent ASM |
| 25 | 105-1853 | 1 | Clamp-Hose |




# Fuel Tank Assembly No. 109-9357

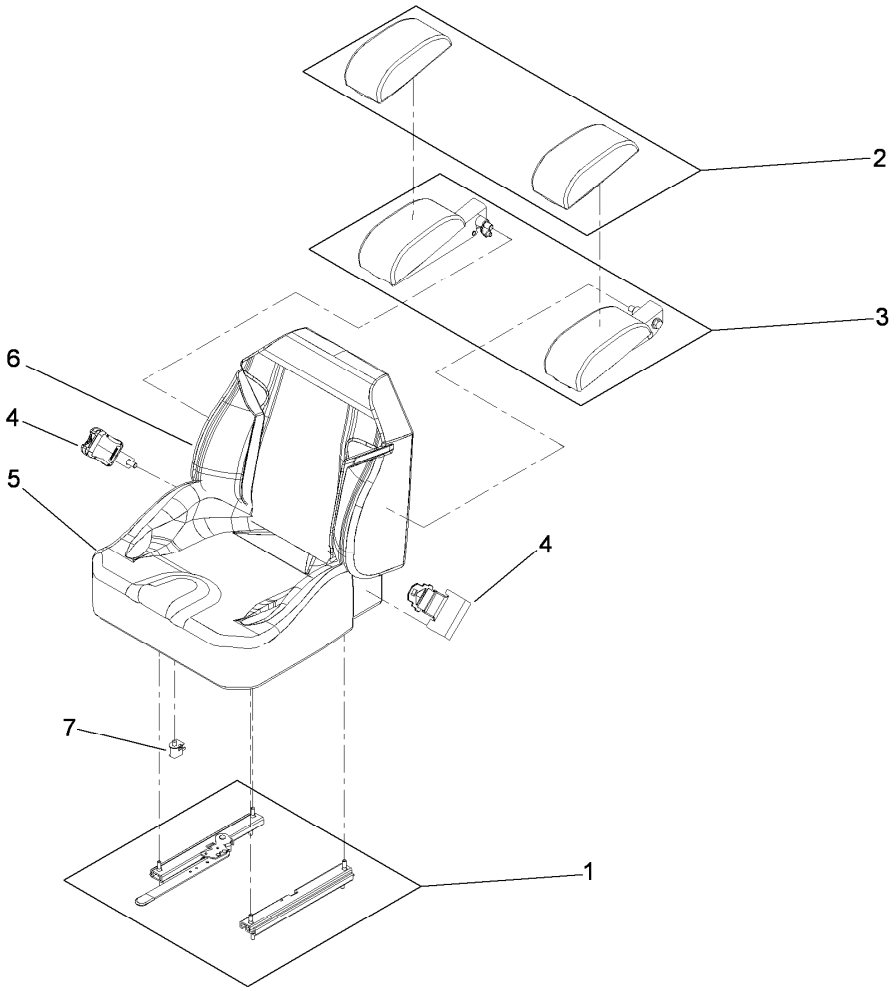
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 1 | Tank-Fuel, Belly ● |
| 2 | 46-6560 | 4 | Bushing |
| 3 | 109-9364 | 1 | Fitting-Fuel (W/Line And Screen) |
| 4 | 9107944 | 5 | Screw-Pan |
| 5 | 3253-17 | 5 | Washer-Lock |
| 6 | 116-0003 | 1 | Sender-Fuel Level |
| 6:1 | 109-9620 | 1 | Gasket-Sender, Fuel |
| 7 | 109-9619 | 1 | Cap-Fuel |
| 8 | 109-9447 | 1 | Tube-Vent, RH |
| 9 | 109-9448 | 1 | Tube-Vent, LH |
| 10 | 109-9449 | 1 | Tube-Vent, Rear |
| 11 | 1-603770 | 1 | Valve-Fuel |
| 12 | 2412-98 | 2 | Clamp |
| 13 | 109-0650 | 1 | Hose-Fuel |

● Not serviced separately



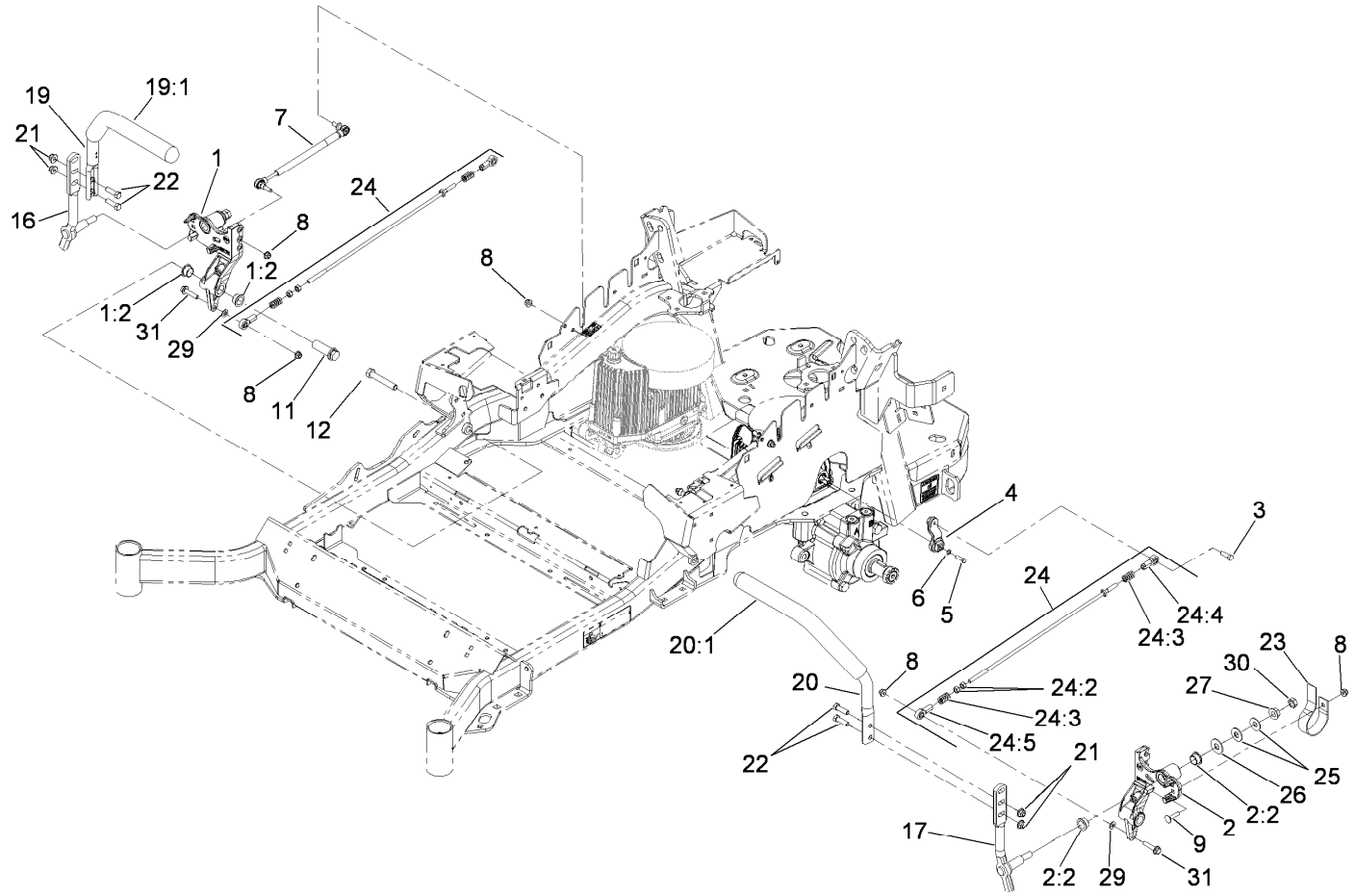

# Seat Mounting Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 116-0035 | 1 | Seat-Standard |
| 3 | 109-9034 | 4 | Isolator-Seat |
| 4 | 109-9036 | 1 | Mount-Seat |
| 4:2 | 109-7069 | 1 | Decal-Console |
| 4:3 | 116-0211 | 1 | Decal-Service Aid |
| 6 | 3230-23 | 11 | Screw-CARR |
| 8 | 104-8300 | 18 | Nut-Flange, NI |
| 9 | 104-8301 | 4 | Nut-Flange, NI |
| 10 | 9266934 | 2 | Screw |
| 13 | 116-0181-03 | 1 | Plate-Support, Seat Tilt |
| 14 | 116-0179-03 | 1 | Plate-Frame, Seat Tilt |
| 15 | 109-9881-03 | 1 | Plate-Latch, Seat |
| 16 | 3230-4 | 1 | Screw-CARR |
| 17 | 107-3017 | 1 | Spring-Compression |
| 18 | 99-5284 | 2 | Screw-Shoulder |
| 20 | 116-0070 | 1 | Rod-Prop |
| 21 | 114-5878 | 1 | Decal-Dash |
| 24 | 3256-23 | 1 | Washer-Flat |




# Seat Assembly No. 116-0035

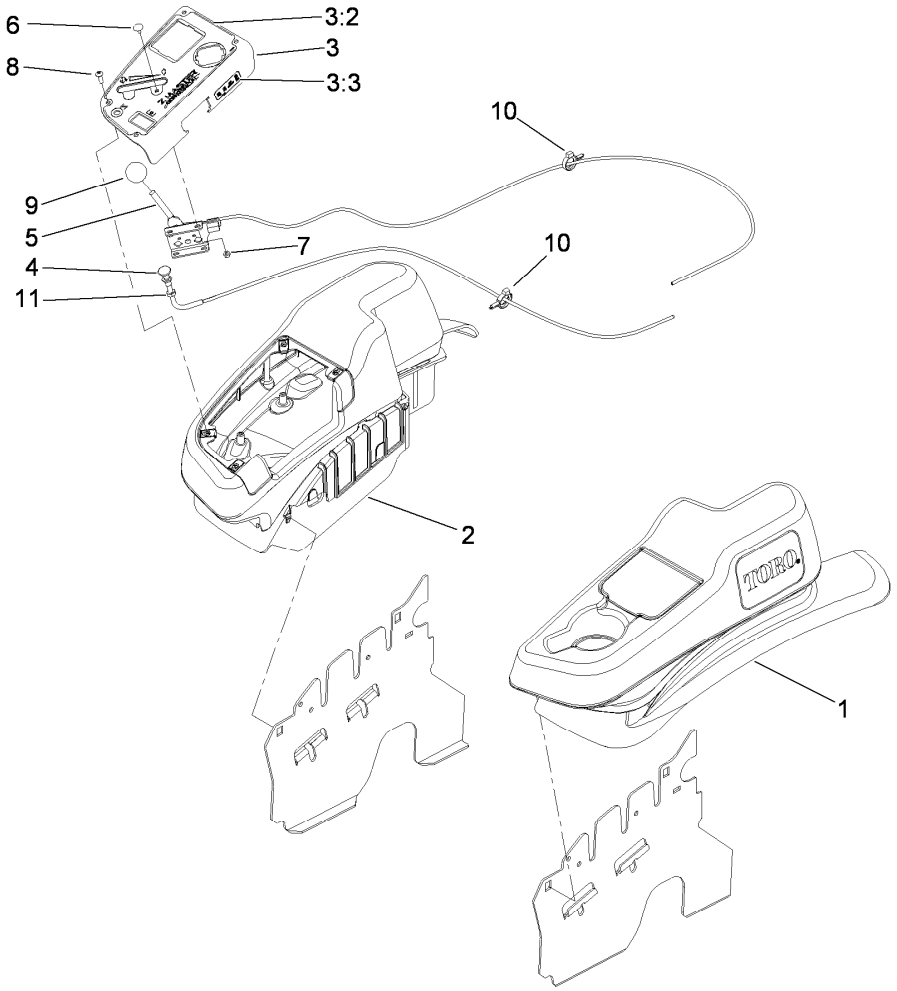
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 109-9801 | 1 | Seat Track Set |
| 2 | 109-9802 | 1 | Arm Rest Pad Set |
| 3 | 109-9803 | 1 | Arm Rest Set |
| 4 | 109-9805 | 1 | Seat Belt Kit |
| 5 | 109-9806 | 1 | Cover-Cushion |
| 6 | 109-9808 | 1 | Cover-Back |
| 7 | 82-2190 | 1 | Switch-Bail |




# Motion Control Assembly

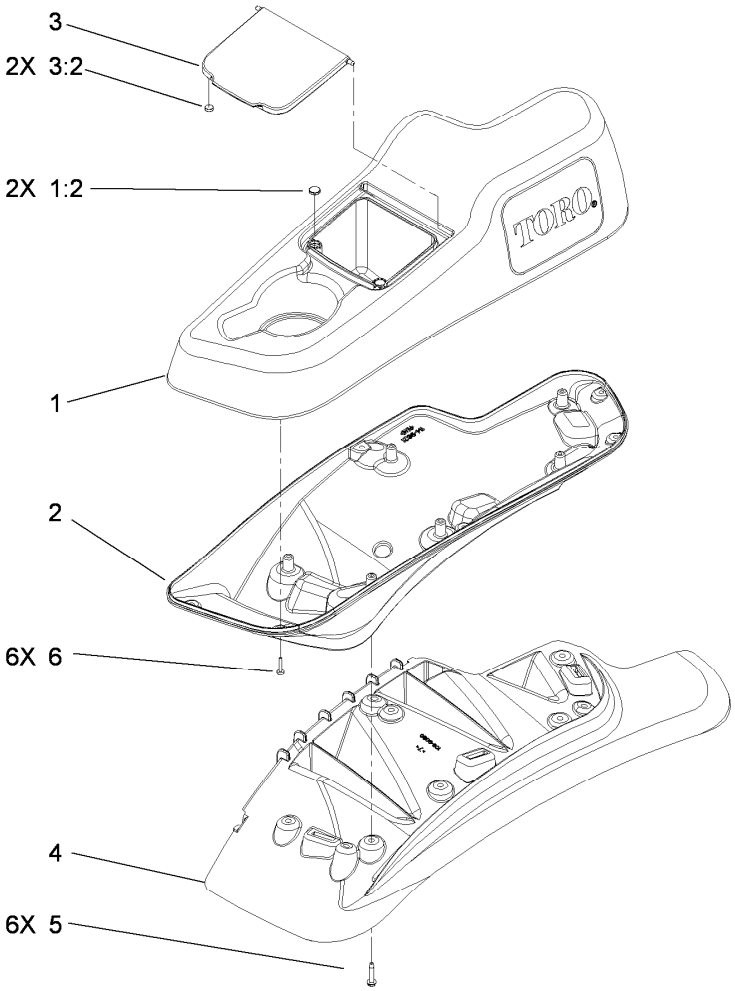
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 116-0880 | 1 | RH Motion Control And Bushing ASM |
| 1:2 | 109-8054 | 4 | Bushing-Flange |
| 2 | 116-0881 | 1 | LH Motion Control And Bushing ASM |
| 2:2 | 109-8054 | 4 | Bushing-Flange |
| 3 | 116-0648 | 2 | Screw-Thread Locking |
| 4 | 109-4581 | 2 | Arm-Control, Pump |
| 5 | 9080046 | 2 | Screw-HH |
| 6 | 1-303435 | 2 | Washer-Spring |
| 7 | 116-0027 | 2 | Damper-Control, Motion |
| 8 | 104-8300 | 8 | Nut-Flange, NI |
| 9 | 3230-3 | 2 | Screw-CARR |
| 11 | 109-5891 | 2 | Hub-Threaded |
| 12 | 325-12 | 2 | Screw-HH |
| 16 | 116-0039 | 1 | Lever-Control Motion, RH |
| 17 | 116-0040 | 1 | Lever-Control Motion, LH |
| 19 | 109-6591 | 1 | RH Steering Handle ASM |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 19:1 | 106-9987 | 1 | Grip-Control, Motion |
| 20 | 109-6592 | 1 | LH Steering Handle ASM |
| 20:1 | 106-9987 | 1 | Grip-Control, Motion |
| 21 | 104-8301 | 4 | Nut-Flange, NI |
| 22 | 323-7 | 4 | Screw-HH |
| 23 | 109-5575 | 2 | Spring-Leaf |
| 24 | 109-8107 | 2 | Pump Linkage Rear ASM |
| 24:2 | 3219-2 | 2 | Nut-Hex |
| 24:3 | 1-323245 | 2 | Spring-Compression |
| 24:4 | 1-633152 | 1 | Balljoint-LH |
| 24:5 | 1-543017 | 1 | Balljoint-RH |
| 25 | 109-9505 | 4 | Washer-Spring |
| 26 | 3256-6 | 2 | Washer-Flat |
| 27 | 32128-23 | 2 | Nut-HF |
| 29 | 3256-23 | 2 | Washer-Flat |
| 30 | 3218-5 | 2 | Nut-Jam |
| 31 | 115-1794 | 2 | Screw-HHF |



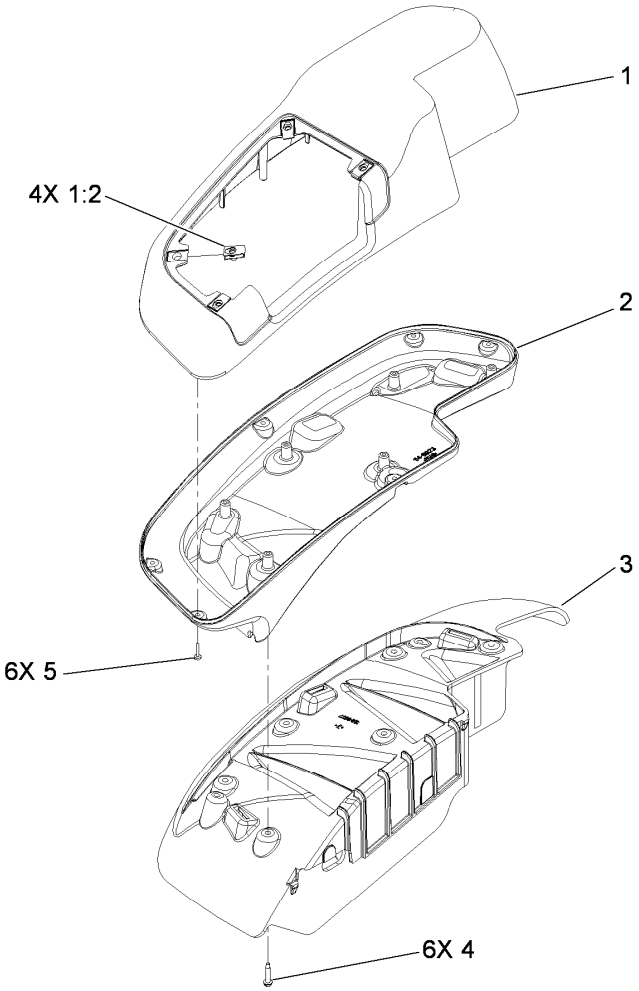

# Fender, Console and Control Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 115-7403 | 1 | LH Narrow Fender/Console ASM |
| 2 | 115-7402 | 1 | RH Narrow Fender/Console ASM |
| 3 | 114-9837 | 1 | Control Panel ASM |
| 3:2 | 117-0876 | 1 | Decal-Panel, Control |
| 3:3 | 114-4466 | 1 | Decal-Fuses |
| 4 | 115-2756 | 1 | Choke Control ASM |
| 5 | 115-2752 | 1 | Throttle Control ASM |
| 6 | 1-807513 | 2 | Bolt-CARR |
| 7 | 3296-2 | 2 | Nut-Lock, NI |
| 8 | 3258-166 | 4 | Screw-PRH |
| 9 | 1-603175 | 1 | Knob-Ball |
| 10 | 105-1853 | 2 | Clamp-Hose |
| 11 | 3220-7 | 1 | Nut-Jam |



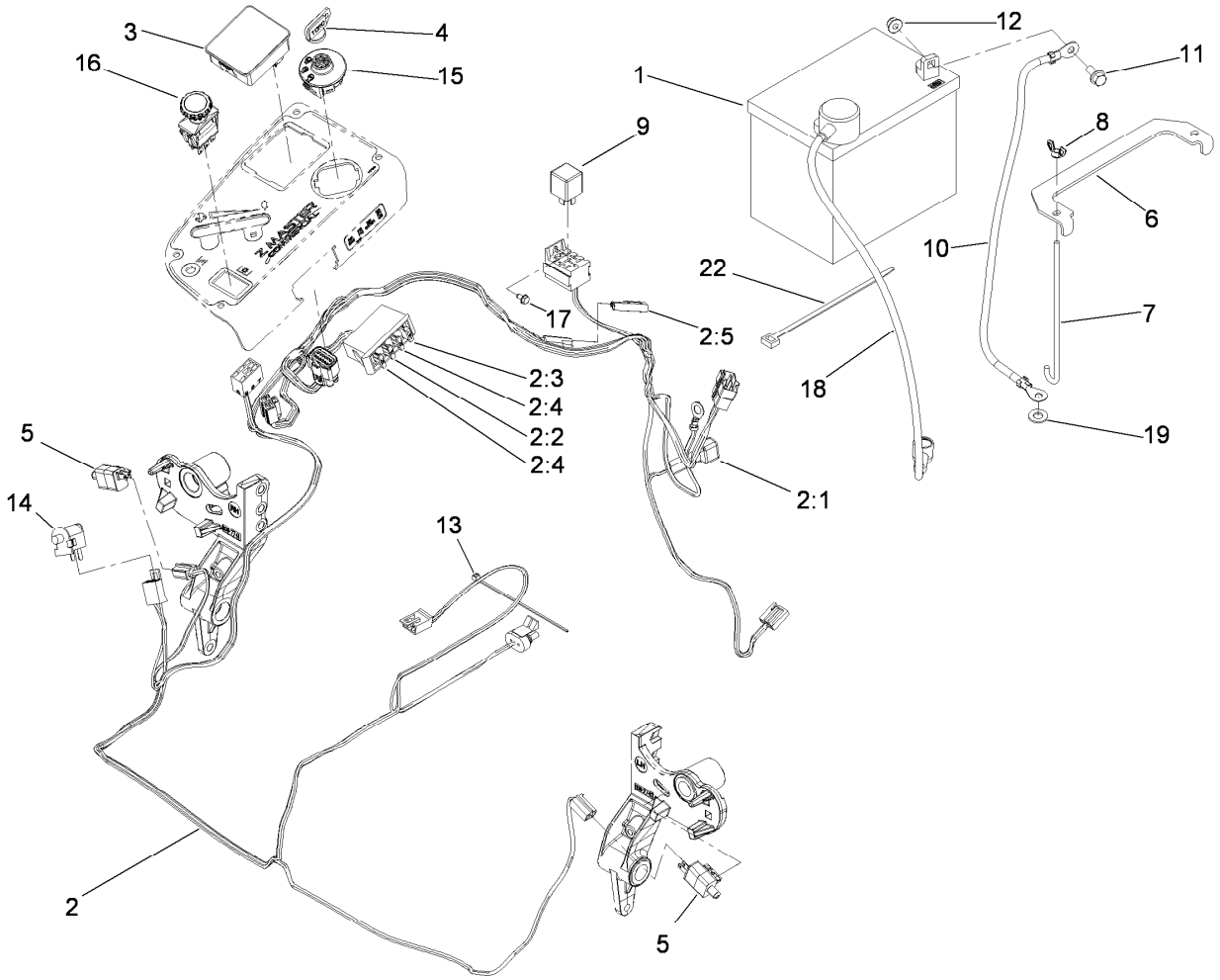

# LH Console Assembly No. 115-7403

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 114-1541 | 1 | LH Console Top ASM |
| 1:2 | 117-0883 | 2 | Puck |
| 2 | 114-9821 | 1 | LH Lower Console |
| 3 | 114-1536 | 1 | Lid ASM |
| 3:2 | 114-5896 | 2 | Magnet |
| 4 | 109-9080 | 1 | Fender-LH |
| 5 | 32144-89 | 6 | Screw-Thread Forming |
| 6 | 117-0347 | 6 | Screw-Fillister Head |




# RH Console Assembly No. 115-7402

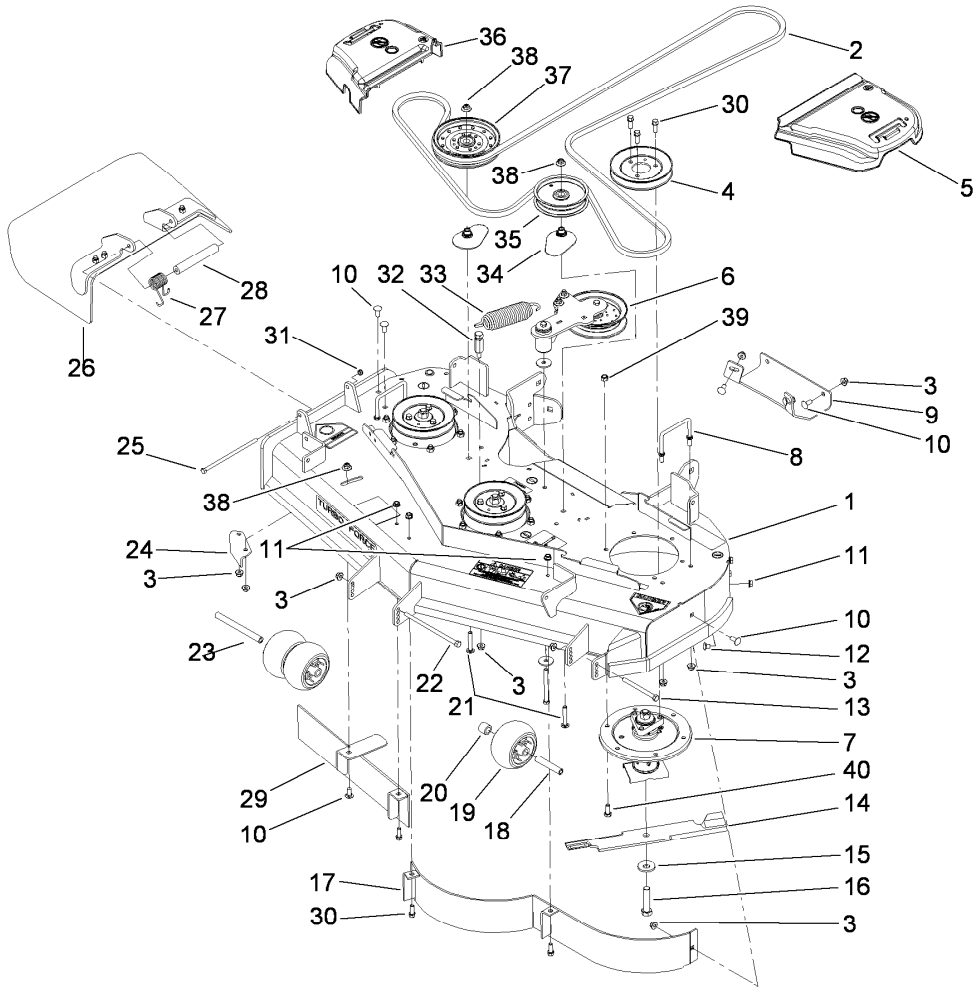
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 114-1542 | 1 | RH Console Top ASM |
| 1:2 | 107069 | 4 | Clip |
| 2 | 114-9823 | 1 | Console-Narrow, RH |
| 3 | 109-9077 | 1 | Fender-Narrow, RH |
| 4 | 32144-89 | 6 | Screw-Thread Forming |
| 5 | 117-0347 | 6 | Screw-Fillister Head |




# Electrical System Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 104-2491 | 1 | Battery |
| 2 | 115-2796 | 1 | Harness-Wire, Main |
| 2:1 | 103-3895 | 1 | Diode-Tvs |
| 2:2 | 218-578 | 1 | Fuse-10 Amp |
| 2:3 | 109355 | 1 | Fuse-15 Amp |
| 2:4 | 109102 | 2 | Fuse-25 Amp |
| 2:5 | 116-0053 | 1 | Cap-Plug |
| 3 | 116-0916 | 1 | Module-Meter, Hour |
| 4 | 63-8360 | 1 | Key-Ignition |
| 5 | 110-6765 | 2 | Switch-Single Pole No |
| 6 | 116-0042-03 | 1 | Strap-Tie Down, Battery |
| 7 | 1-633651 | 2 | Bolt-Holddown |
| 8 | 1-543792 | 2 | Wingnut |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 9 | 1-643275 | 1 | Relay |
| 10 | 114-1218 | 1 | Cable-Battery, Negative |
| 11 | 3234-5 | 2 | Screw-HHF |
| 12 | 104-8300 | 2 | Nut-Flange, NI |
| 13 | 1-303287 | 3 | Tie-Cable |
| 14 | 82-2190 | 1 | Switch-Bail |
| 15 | 116-0229 | 1 | Switch-Ignition |
| 16 | 116-0124 | 1 | Switch-PTO, 10A |
| 17 | 104-2065 | 1 | Screw-HWH |
| 18 | 115-3864 | 1 | Cable-Battery, Positive |
| 19 | 3256-24 | 1 | Washer-Flat |
| 22 | 1-303335 | 1 | Tie-Plastic |

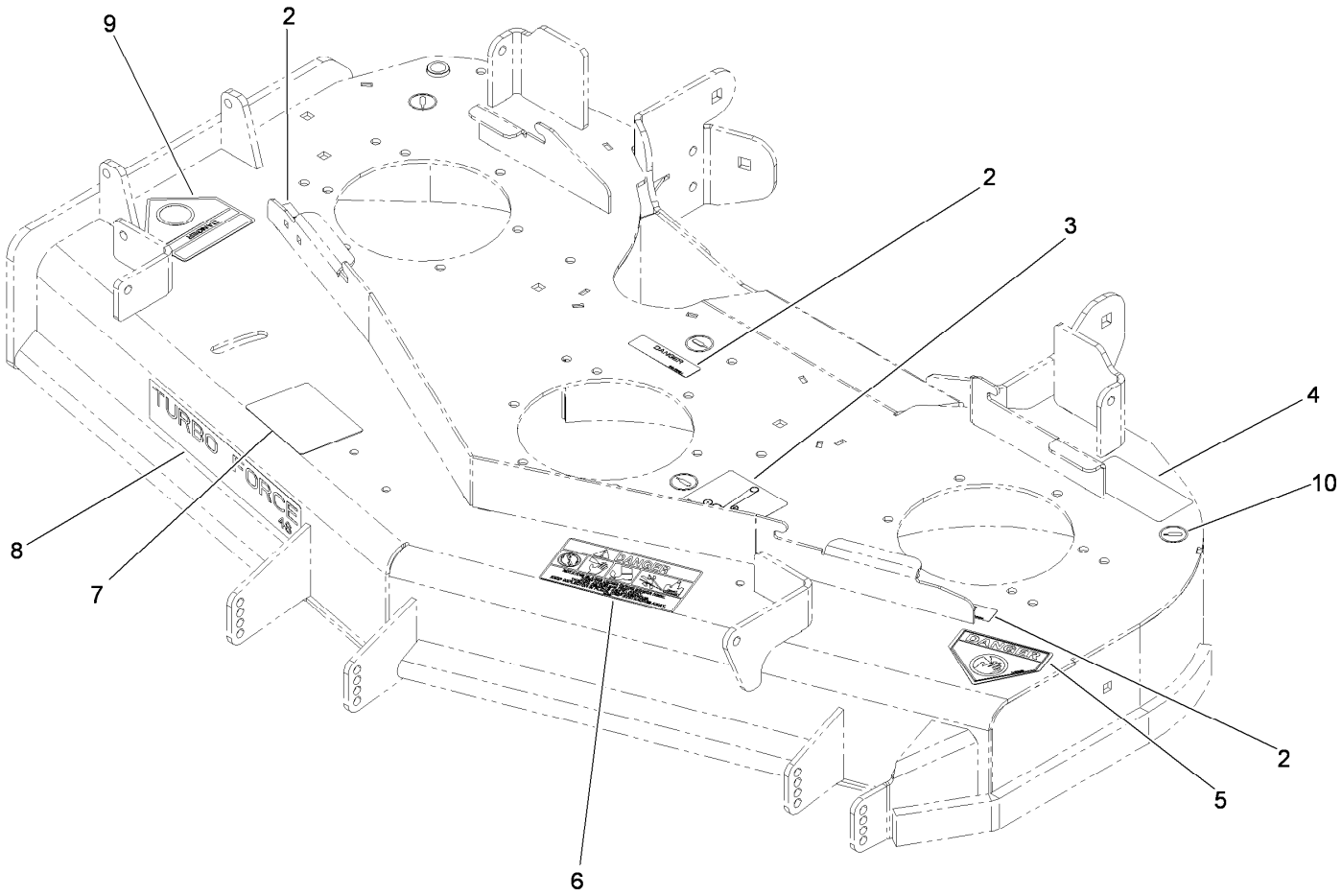



# Deck Assembly

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 114-5805 | 1 | Deck Decal ASM |
| 2 | 115-7407 | 1 | Belt-V |
| 3 | 104-8301 | 14 | Nut-Flange, NI |
| 4 | 115-7440 | 3 | Pulley |
| 5 | 109-6936 | 1 | Cover-Belt, LH |
| 6 | | 1 | Arm-Idler ● |
| 7 | 107-8504 | 3 | Spindle ASM |
| 8 | 109-6982 | 2 | Wireform-Cover |
| 9 | 112-4230-01 | 1 | Plate-Skid |
| 10 | 3231-27 | 8 | Screw-CARR |
| 11 | 3290-357 | 6 | Nut-HHF, Whiz |
| 12 | 108-5387 | 3 | Screw-CARR |
| 13 | 323-23 | 1 | Screw-HH |
| 14 | 107-3192-03 | 3 | Blade-16.5 Inch (High Flow) |
| 15 | 103-0865 | 3 | Washer-Blade Bolt, Heavy |
| 16 | 103-0862 | 3 | Screw-Cap |
| 17 | 114-5862-01 | 1 | Baffle ASM |
| 18 | 98-7912 | 1 | Tube-Spanner |
| 19 | 1-603299 | 3 | Roller-Scalp, Anti |
| 20 | 98-7913 | 1 | Tube-Spacer |

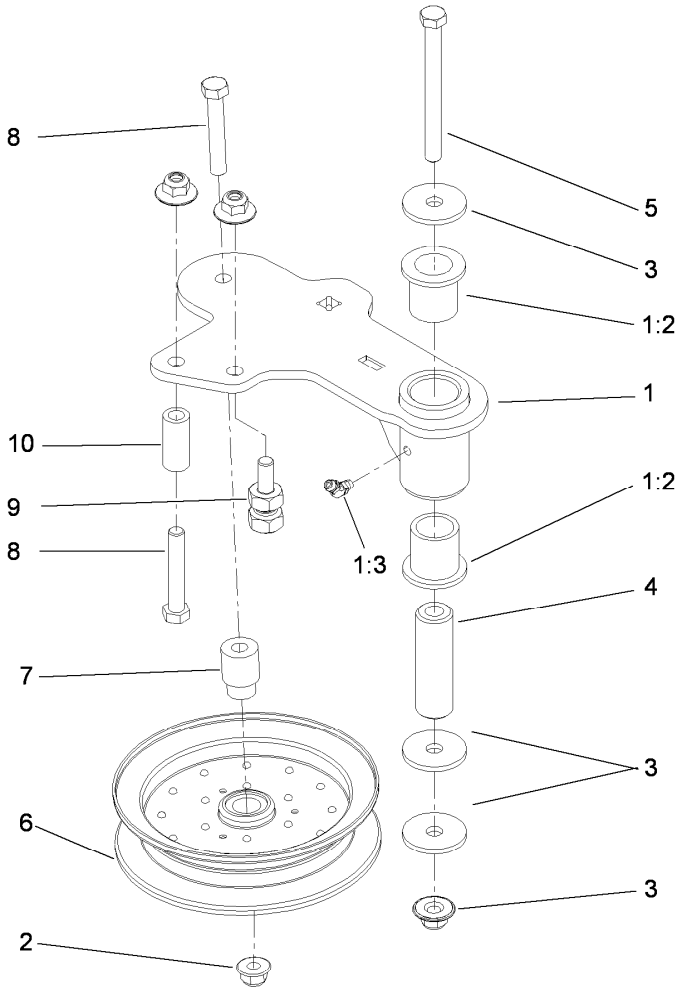
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 21 | 3231-40 | 2 | Bolt-CARR |
| 22 | 108-5388 | 1 | Screw-HH |
| 23 | 98-5967 | 1 | Spacer-Wheel |
| 24 | 107-8541-01 | 1 | Baffle-Discharge |
| 25 | 322-50 | 1 | Screw-HH |
| 26 | 108-7770 | 1 | Rubber Deflector ASM |
| 27 | 108-4052 | 1 | Spring-Torsion |
| 28 | 105-4622 | 1 | Spacer |
| 29 | 115-7455-01 | 1 | Baffle ASM |
| 30 | 92-1624 | 12 | Screw-HWH |
| 31 | 3296-47 | 1 | Nut-Lock, NI |
| 32 | 114-5867 | 1 | Anchor-Spring, Tall |
| 33 | 116-0133 | 1 | Extension-Spring |
| 34 | 109-2872 | 2 | Spacer-Pulley |
| 35 | 1-613098 | 1 | Pulley-Idler |
| 36 | 109-6935 | 1 | Cover-Belt, RH |
| 37 | 114-5895 | 1 | Pulley-Idler, Flat |
| 38 | 109-6658 | 3 | Nut-Flange, NI |
| 39 | 33025-00 | 18 | Nut-Lock |
| 40 | 33115-025 | 18 | Screw-HH |

● Not serviced separately



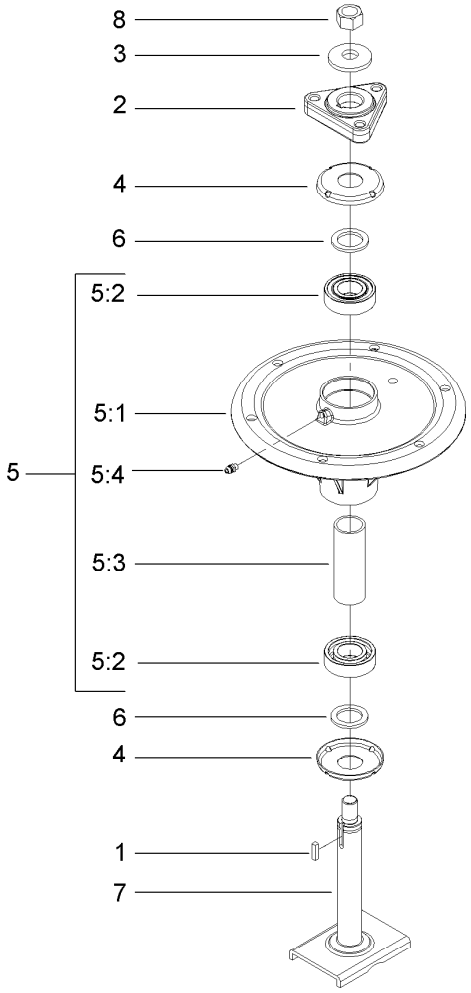

# Deck Decal Assembly No. 114-5805

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 2 | 98-5954 | 3 | Decal-Cover, Missing |
| 3 | 115-7445 | 1 | Decal-Routing, Deck Belt |
| 4 | 68-8340 | 1 | Decal-Torque |
| 5 | 1-403005 | 1 | Decal-Danger |
| 6 | 66-1340 | 1 | Decal-Danger, Thrown Object |
| 7 | 105-7798 | 1 | Decal-Scalp, Anti |
| 8 | 107-1690 | 1 | Decal |
| 9 | 54-9220 | 1 | Decal-Danger |
| 10 | 58-6520 | 4 | Decal-Grease |




# Idler Assembly

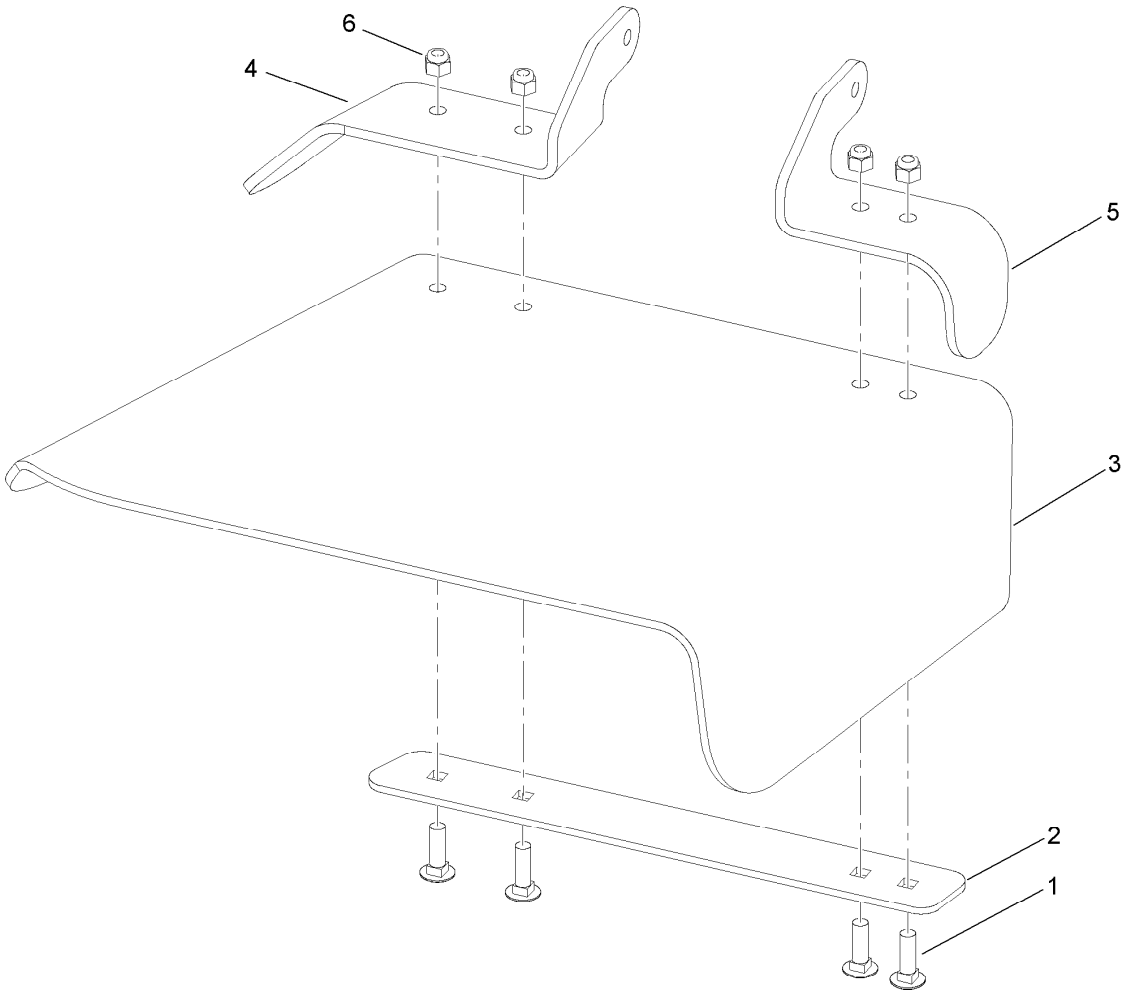
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 114-5870 | 1 | Idler Arm ASM |
| 1:2 | 1-303514 | 2 | Bearing-Flanged |
| 1:3 | 1481 | 1 | Fitting-Grease |
| 2 | 109-6658 | 4 | Nut-Flange, NI |
| 3 | 1-213069 | 3 | Washer |
| 4 | 114-5848 | 1 | Spacer-Plain |
| 5 | 98-5961 | 1 | Screw-HH |
| 6 | 103-8743 | 1 | Pulley-Idler, Flanged |
| 7 | 112-4212 | 1 | Mount-Pulley |
| 8 | 323-11 | 2 | Screw-HH |
| 9 | 114-5866 | 1 | Anchor-Spring, Short |
| 10 | 104-0151 | 1 | Spacer |




# Spindle Assembly No. 107-8504

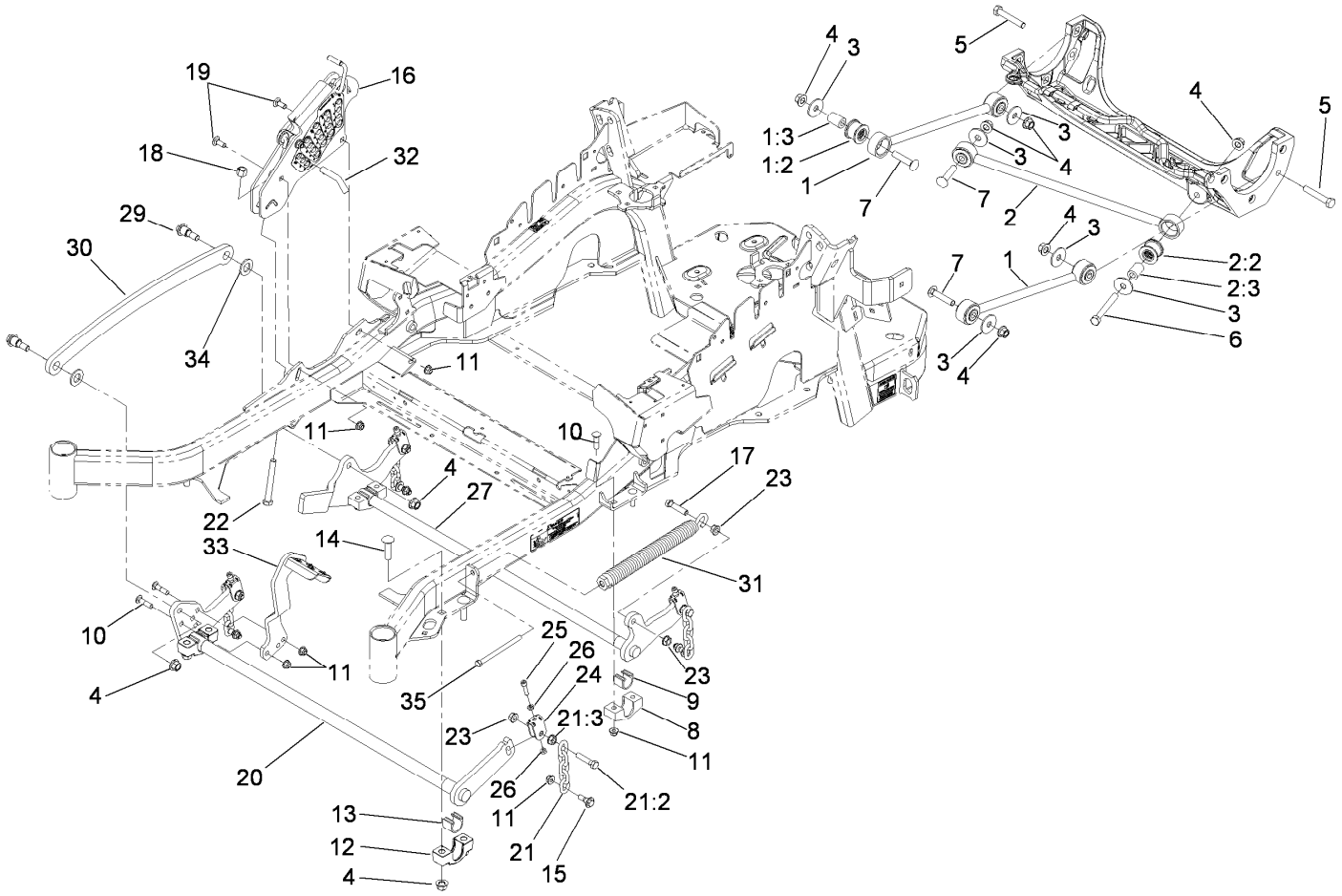
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 10-8040 | 1 | Key-Square |
| 2 | 106-3277 | 1 | Hub-Pulley |
| 3 | 103-0865 | 1 | Washer-Blade Bolt, Heavy |
| 4 | 106-3204 | 2 | Shield-Bearing |
| 5 | | 1 | Spindle Bearing ASM ● |
| 5:1 | 106-3211 | 1 | Housing-Spindle |
| 5:2 | 113514 | 2 | Bearing-Ball |
| 5:3 | 107-8502 | 1 | Spacer-Bearing |
| 5:4 | 302-5 | 1 | Fitting-Grease |
| 6 | 3-8514 | 2 | Washer-Thrust |
| 7 | 107-8501 | 1 | Spindle ASM |
| 8 | 3219-6 | 1 | Nut-Hex |

● Not serviced separately




# Rubber Deflector Assembly No. 108-7770

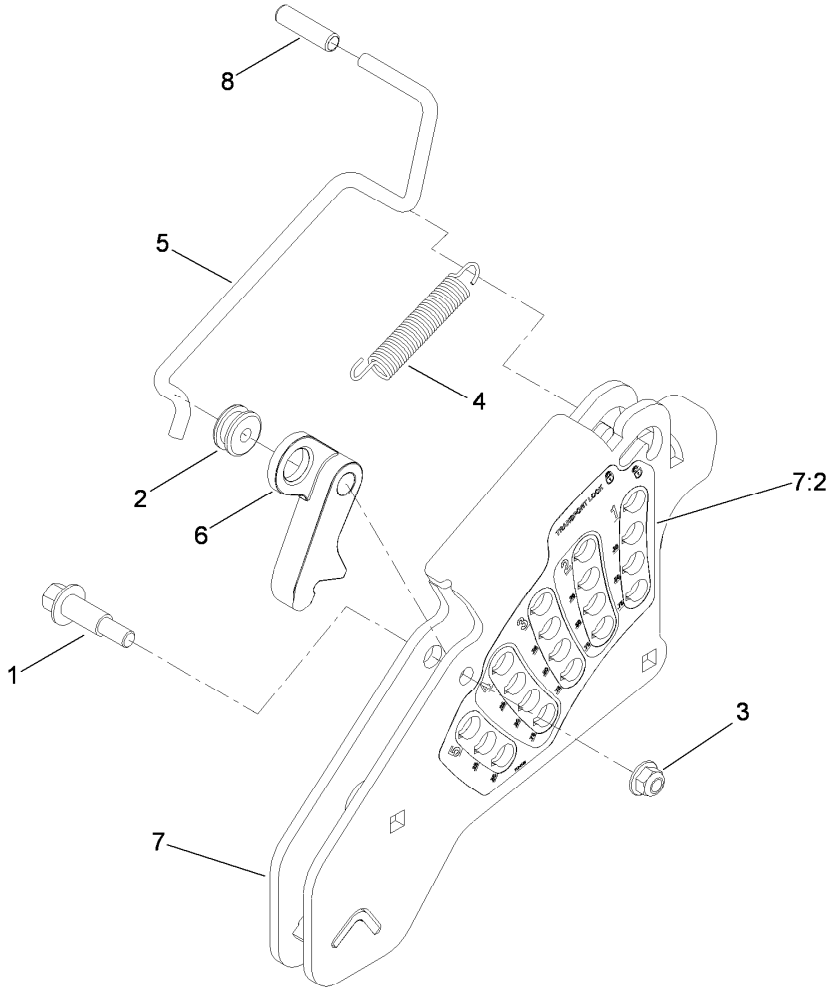
| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 3231-25 | 4 | Screw-CARR |
| 2 | 106-3248-03 | 1 | Strap-Discharge |
| 3 | 108-5029 | 1 | Deflector-Rubber |
| 4 | 108-7767-03 | 1 | Bracket-Hinge, Rear |
| 5 | 108-7766-03 | 1 | Bracket-Hinge, Front |
| 6 | 3296-39 | 4 | Nut-Lock, NI |




# Deck Lift Assembly

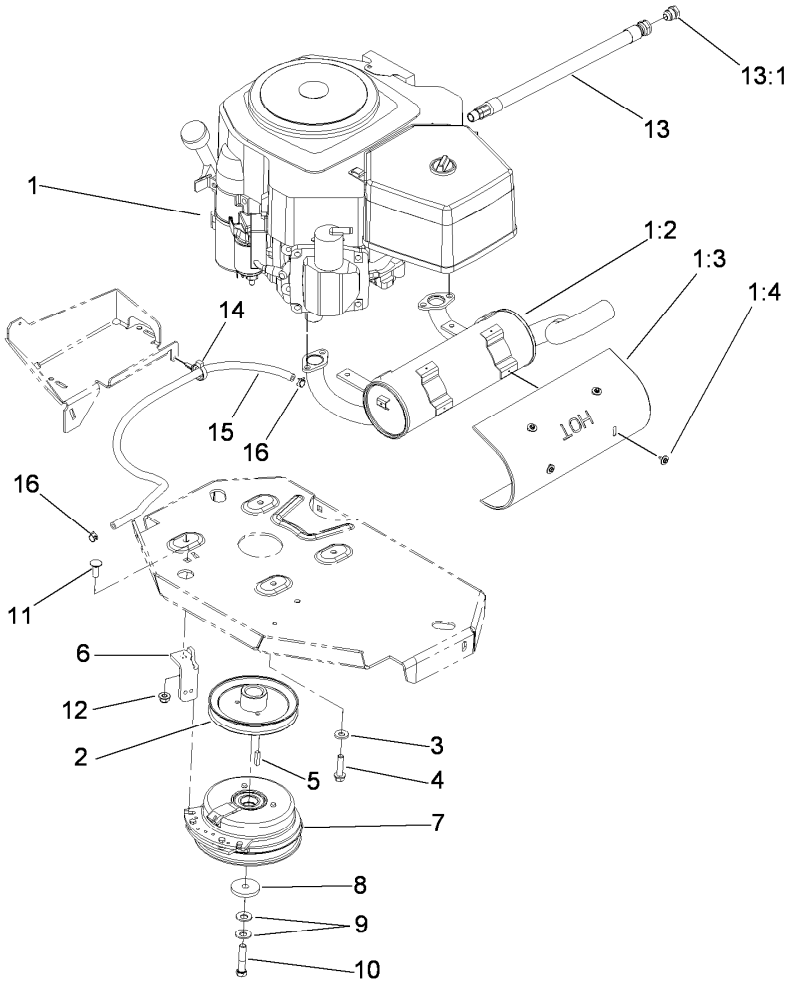
| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 109-7952 | 2 | Deck Strut ASM |
| 1:2 | 109-5009 | 2 | Bushing-Suspension, Rubber |
| 1:3 | 109-5010 | 2 | Spacer |
| 2 | 109-5013 | 1 | Panhard Rod ASM |
| 2:2 | 109-5009 | 2 | Bushing-Suspension, Rubber |
| 2:3 | 109-5010 | 2 | Spacer |
| 3 | 86-1990 | 6 | Washer |
| 4 | 99-5107 | 12 | Nut-Lock |
| 5 | 325-12 | 2 | Screw-HH |
| 6 | 325-17 | 1 | Screw-HH |
| 7 | 3233-34 | 3 | Screw-CARR |
| 8 | 109-7171-03 | 2 | Support-Bearing, Cross Shaft |
| 9 | 109-7173 | 2 | Bearing-Cross, Rear Shaft |
| 10 | 3231-4 | 6 | Screw-CARR |
| 11 | 104-8301 | 12 | Nut-Flange, NI |
| 12 | 109-9409 | 2 | Support-Cross Shaft, Bearing Front |
| 13 | 109-9410 | 2 | Bearing-Shaft Front, Cross |
| 14 | 3233-37 | 4 | Screw-CARR, Short Neck |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 15 | 109-9840 | 4 | Screw-Shoulder, HHF |
| 16 | 109-7438 | 1 | Height-Of-Cut ASM |
| 17 | 109-9065 | 1 | Screw-HH |
| 18 | 3296-23 | 1 | Nut-Lock, NI |
| 19 | 3231-2 | 2 | Screw-CARR |
| 20 | 116-0465-03 | 1 | Lift-Deck, Front |
| 21 | 116-0756 | 4 | Deck Lift Chain ASM |
| 21:2 | 109-9065 | 1 | Screw-HH |
| 21:3 | 32128-37 | 1 | Nut-HF |
| 22 | 116-0559 | 1 | Bolt-TAP |
| 23 | 32128-37 | 6 | Nut-HF |
| 24 | 109-9066 | 4 | Yoke-Adjust, Deck |
| 25 | 3274-18 | 4 | Screw-HSH |
| 26 | 3218-2 | 8 | Nut-Jam |
| 27 | 116-0459-03 | 1 | Lift-Deck, Rear |
| 29 | 116-0780 | 2 | Screw-HHF, Shoulder |
| 30 | 116-0797-03 | 1 | Link-Lift, Deck |
| 31 | 116-0886 | 1 | Extension Spring ASM |
| 32 | 109-8757 | 1 | Pin-HOC |
| 33 | 109-9071-01 | 1 | Lever-Foot |
| 34 | 3256-28 | 2 | Washer-Flat |
| 35 | 323-58 | 1 | Bolt-TAP, HH |




# Height-of-Cut Assembly No. 109-7438

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 62-1330 | 1 | Bolt-Shoulder |
| 2 | 109-7130 | 1 | Grommet |
| 3 | 104-8301 | 1 | Nut-Flange, NI |
| 4 | 109-7124 | 1 | Spring-Extension |
| 5 | 109-7128 | 1 | Rod-Lock, Transport |
| 6 | 116-0118 | 1 | Pawl-Transport, HOC |
| 7 | 109-7335 | 1 | HOC Plate ASM |
| 7:2 | 116-0752 | 1 | Decal-HOC |
| 8 | 109-8250 | 1 | Grip-Lever |



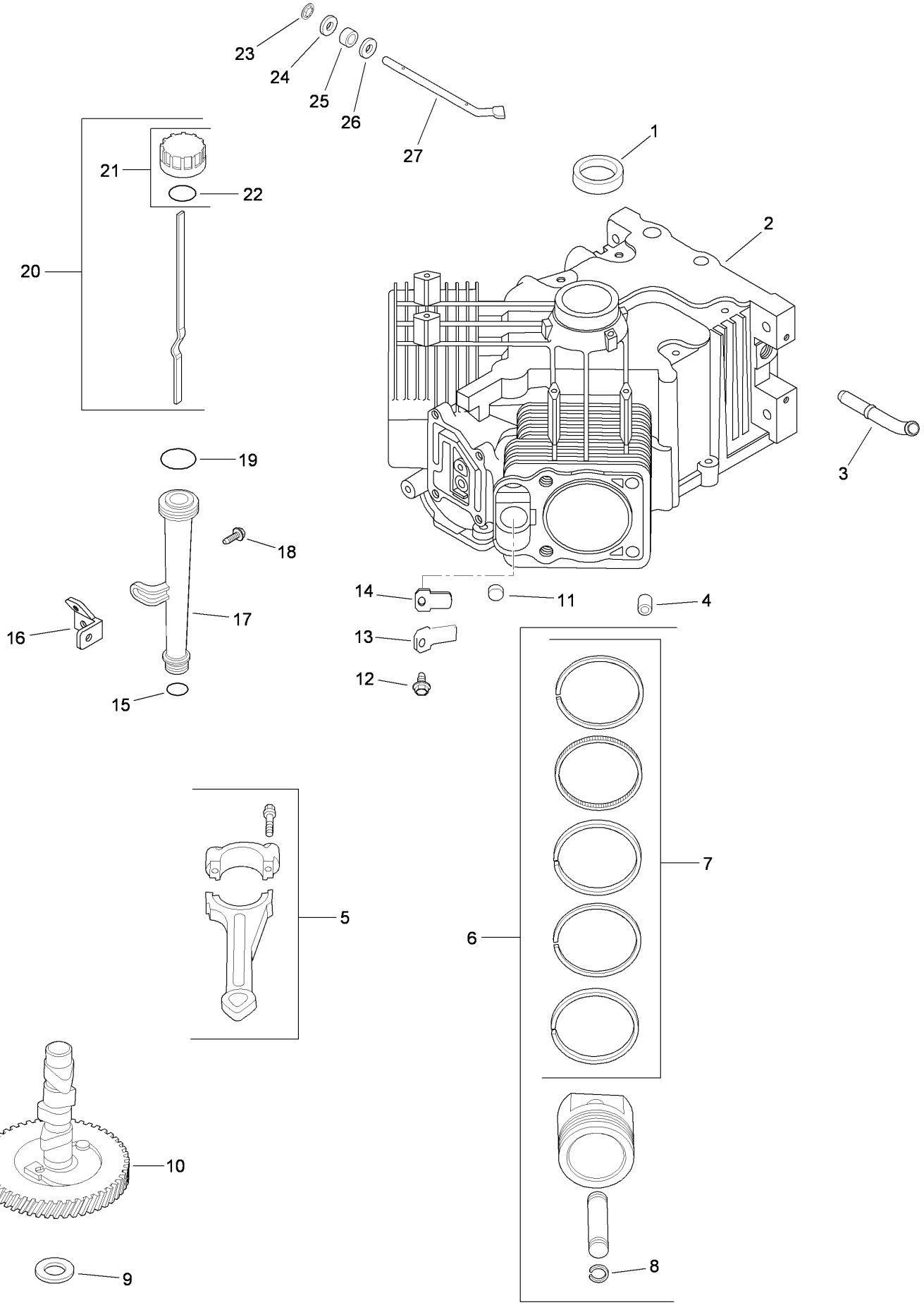

# Engine, Clutch and Muffler Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | | 1 | Engine-Kohler Cv680-3020 ●■ |
| 1:2 | 117-6151 | 1 | Muffler |
| 1:3 | 117-6152 | 1 | Guard-Muffler |
| 1:4 | 116-1103 | 4 | Screw-HH, Thread Forming |
| 2 | 109-9905 | 1 | Sheave |
| 3 | 98-5975 | 4 | Washer-Belleville |
| 4 | 32144-102 | 4 | Screw-HWH |
| 5 | 1-807259 | 1 | Key |
| 6 | 109-8138 | 1 | Anchor-Clutch |
| 7 | 109-9282 | 1 | Clutch |
| 8 | 109-6919 | 1 | Washer-Clutch |
| 9 | 1-603610 | 2 | Washer-Spring |
| 10 | 109-9762 | 1 | Screw-HH W/Loctite |
| 11 | 3231-22 | 1 | Screw-CARR |
| 12 | 104-8301 | 1 | Nut-Flange, NI |
| 13 | 116-0013 | 1 | Oil Drain Hose ASM |
| 13:1 | 109-1012 | 1 | Plug |
| 14 | 105-1853 | 1 | Clamp-Hose |
| 15 | 109-0286 | 1 | Hose-Fuel |
| 16 | 2412-98 | 2 | Clamp |

● Not serviced separately

■ Obtain parts from www.kohlerplus.com

# Crankcase Assembly
# Kohler CV680-3020



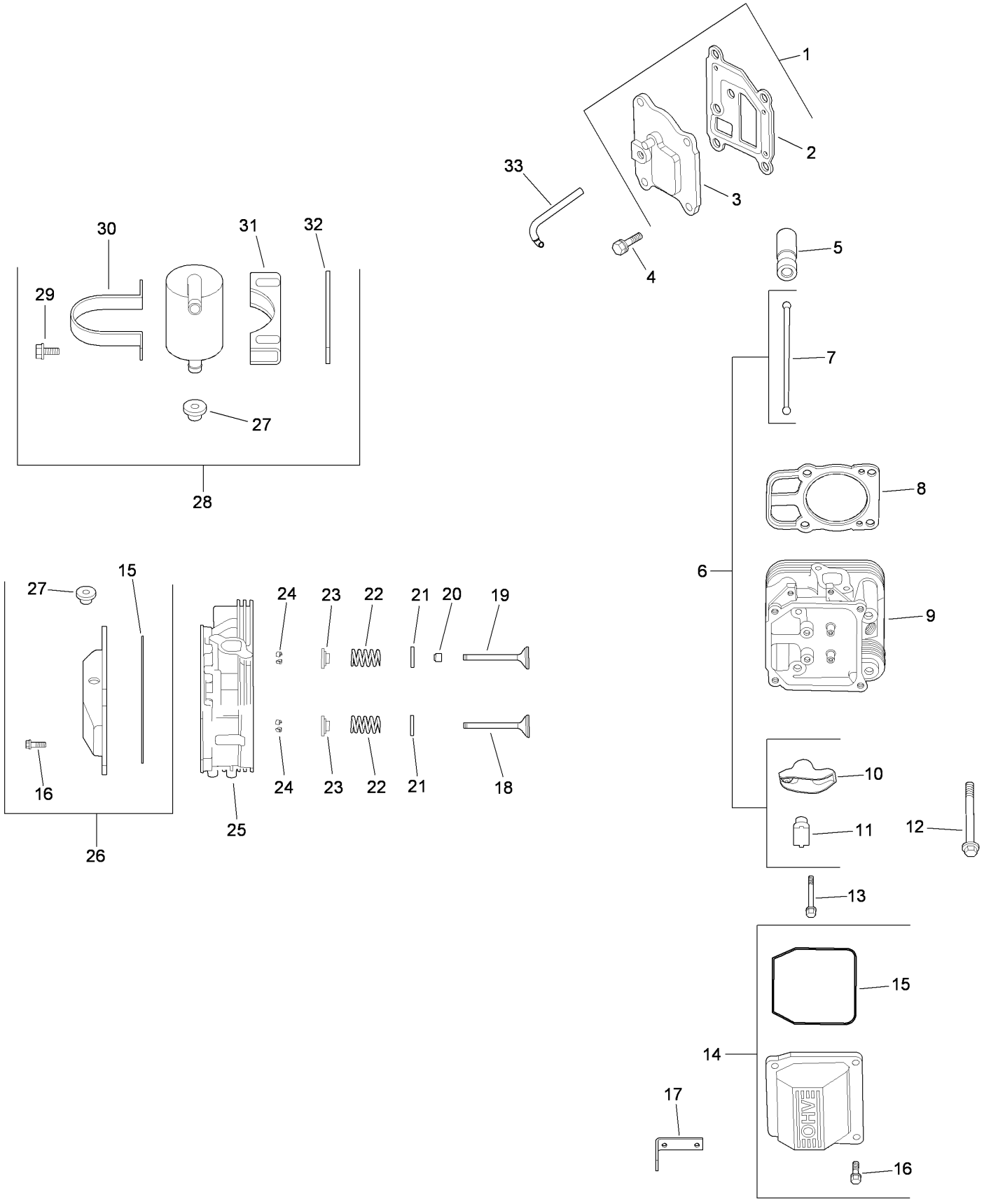
# Crankcase Assembly
# Kohler CV680-3020 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 24 032 19-S | 1 | Seal-Oil (Helix Lip) ■ |
| 2 | 24 782 14 | 1 | Cv23-674 Mini Block ■ |
| 3 | 24 294 13-S | 1 | Fitting ■ |
| 4 | 24 380 16-S | 6 | Pin-Locating ■ |
| 5 | 24 067 24-S | 2 | Rod-Connecting (STD) ■ |
| 5 | 24 067 25-S | 2 | Rod-Connecting (.25) ■ |
| 6 | 24 874 34-S | 2 | Piston W/Ring Set (STD, 80Mm) (Includes 7, 8) ■ |
| 6 | 24 874 35-S | 2 | Piston W/Ring Set (.08) ■ |
| 6 | 24 874 36-S | 2 | Piston W/Ring Set (.25) ■ |
| 6 | 24 874 37-S | 2 | Piston W/Ring Set (.50) ■ |
| 7 | 24 108 18-S | 2 | Piston Ring Set (STD) ■ |
| 7 | 24 108 19-S | 2 | Piston Ring Set (.08) ■ |
| 7 | 24 108 20-S | 2 | Piston Ring Set (.25) ■ |
| 7 | 24 108 21-S | 2 | Piston Ring Set (.50) ■ |
| 8 | 24 018 01-S | 4 | Retainer-Pin, Piston ■ |
| 9 | 12 422 09-S | 1 | Shim-Camshaft (Red .032) ■ |
| 9 | 12 422 13-S | 1 | Shim-Camshaft (Black .04) ■ |
| 9 | 12 422 07-S | 1 | Shim-Camshaft (White .028) ■ |
| 9 | 12 422 08-S | 1 | Shim-Camshaft (Blue .03) ■ |
| 9 | 12 422 10-S | 1 | Shim-Camshaft (Yellow .034) ■ |
| 9 | 12 422 11-S | 1 | Shim-Camshaft (Green .036) ■ |
| 9 | 12 422 12-S | 1 | Shim-Camshaft (Gray .038) ■ |
| 10 | 24 012 10-S | 1 | Camshaft Kit ■ |
| 11 | 52 139 09-S | 1 | Plug-Cup ■ |
| 12 | M-545010-S | 2 | Screw-HHFTF (M5X.80X10) ■ |
| 13 | 24 018 04-S | 2 | Retainer-Reed, Breather ■ |
| 14 | 24 402 05-S | 2 | Reed-Breather ■ |
| 15 | 12 153 01-S | 1 | O-Ring (Lower Oil Fill Tube) ■ |
| 16 | 24 126 19-S | 1 | Bracket-Tube, Oil Fill ■ |
| 17 | 12 123 35-S | 1 | Oil Fill Tube ASM ■ |
| 18 | M-545016-S | 1 | Screw-Flange, Thread Forming (M5X0.8X16) ■ |
| 19 | 12 153 02-S | 1 | O-Ring (Upper Oil Fill Tube) ■ |
| 20 | 24 038 04-S | 1 | Dipstick ASM (Includes 21, 22) ■ |
| 21 | 24 755 46-S | 1 | Oil Fill Cap Kit (Yellow) ■ |
| 22 | 25 153 02-S | 1 | O-Ring (Dipstick) ■ |
| 23 | 24 018 09-S | 1 | Retainer-Ring ■ |
| 24 | M-931010-S | 1 | Washer-Flat (9Mm) ■ |
| 25 | 28 032 09-S | 1 | Seal-Cross Shaft, Governor ■ |
| 26 | 24 468 15-S | 1 | Washer-Flat (11/32) (Bottom) ■ |
| 27 | 24 144 38-S | 1 | Shaft-Cross, Governor ■ |
| | 25 357 14-S | 1 | Lubricant-Camshaft ■ ● |
| | 24 755 108-S | 1 | Gasket Set ■ ● |

● Not illustrated

■ Obtain parts from www.kohlerplus.com

# Head, Valve and Breather Assembly
# Kohler CV680-3020

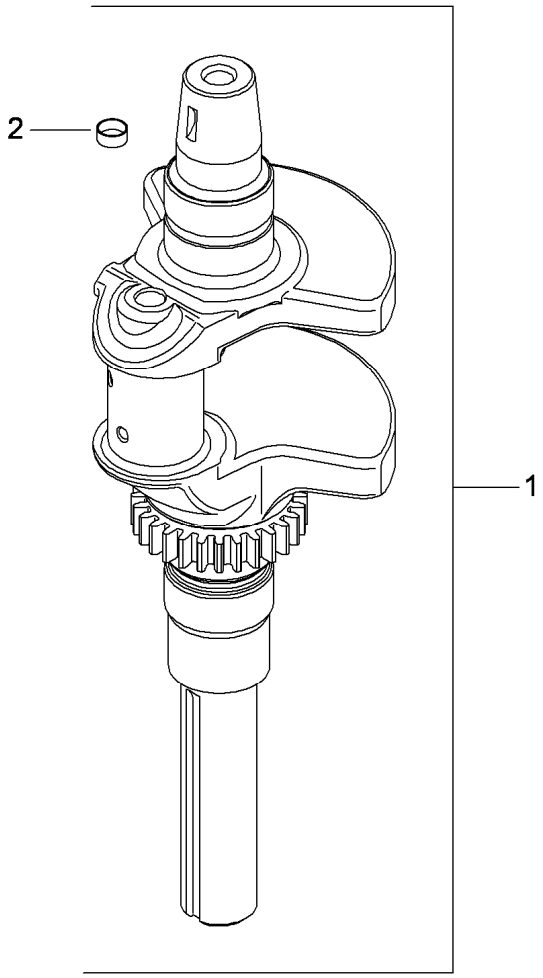


# Head, Valve and Breather Assembly
# Kohler CV680-3020 (continued)

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 24 033 03-S | 1 | Breather Cover W/Gasket Kit (Includes 2, 3) ■ |
| 2 | 24 041 51-S | 1 | Gasket-Breather ■ |
| 3 | 24 096 87-S | 1 | Cover-Breather ■ |
| 4 | M-645020-S | 4 | Screw-HHFTF (M6X1.0X20) ■ |
| 5 | 25 351 04-S | 4 | Hydraulic Valve Lifter Kit (Includes 25 357 14-S) ■ |
| 6 | 24 755 66-S | 1 | Valve Train Kit (Includes 7, 10, 11) ■ |
| 7 | 24 411 05-S | 4 | Rod-Push ■ |
| 8 | 24 841 02-S | 2 | Cylinder Head Gasket Kit ■ |
| 9 | 24 318 70-S | 1 | Cylinder Head ASM (Cylinder No.2) ■ |
| 10 | 24 599 02-S | 4 | Pivot-Arm, Rocker ■ |
| 11 | 25 186 01-S | 4 | Arm-Rocker ■ |
| 12 | M-640034-S | 4 | Screw-Flange (M6X1.0X34) ■ |
| 13 | 12 086 12-S | 8 | Screw ■ |
| 14 | 24 755 141-S | 1 | Plain Rocker Cover Kit (Includes 15 [qty 1], 16 [qty 4]) ■ |
| 15 | 24 153 30-S | 2 | O-Ring (Valve Cover) ■ |
| 16 | M-651030-S | 8 | Screw-Flange (M6X1.0X30) ■ |
| 17 | 24 445 01-S | 1 | Strap-Lifting ■ |
| 18 | 24 016 01-S | 2 | Valve-Exhaust (STD) ■ |
| 18 | 24 016 02-S | 2 | Valve-Exhaust (.25) ■ |
| 19 | 24 017 01-S | 2 | Valve-Intake (STD) ■ |
| 19 | 24 017 02-S | 2 | Valve-Intake (.25) ■ |
| 20 | 66 032 05-S | 2 | Seal-Stem, Valve ■ |
| 21 | 235011-S | 4 | Retainer-Spring ■ |
| 22 | 24 089 02-S | 4 | Spring-Valve ■ |
| 23 | 12 173 01-S | 4 | Cap-Spring, Valve ■ |
| 24 | 12 755 03-S | 4 | Retainer Kit ■ |
| 25 | 24 318 67-S | 1 | Cylinder Head ASM (Cylinder No.1) ■ |
| 26 | 24 755 142-S | 1 | Breather Valve Cover ASM (Includes 15 [qty 1], 16 [qty 4], 27) ■ |
| 27 | 25 313 03-S | 1 | Grommet-Rubber ■ |
| 28 | 24 755 57-S | 1 | Breather Valve Cover Kit (Includes 27, 29-32) ■ |
| 29 | M-545016-S | 2 | Screw-Flange, Thread Forming (M5X0.8X16) ■ |
| 30 | 24 445 02-S | 1 | Strap-Breather ■ |
| 31 | 24 126 44-S | 1 | Bracket-Separator, Breather ■ |
| 32 | 24 112 12-S | 1 | Spacer ■ |
| 33 | 24 326 03-S | 1 | Hose-Breather ■ |
| | 24 755 147-S | 2 | Cylinder Head Hardware Kit (Services 1 Head. Qtys Listed For Both Heads) (Includes Items 7, 10-12, 18-24) ■ ● |
| | 25 357 14-S | 1 | Lubricant-Camshaft ■ ● |

● Not illustrated

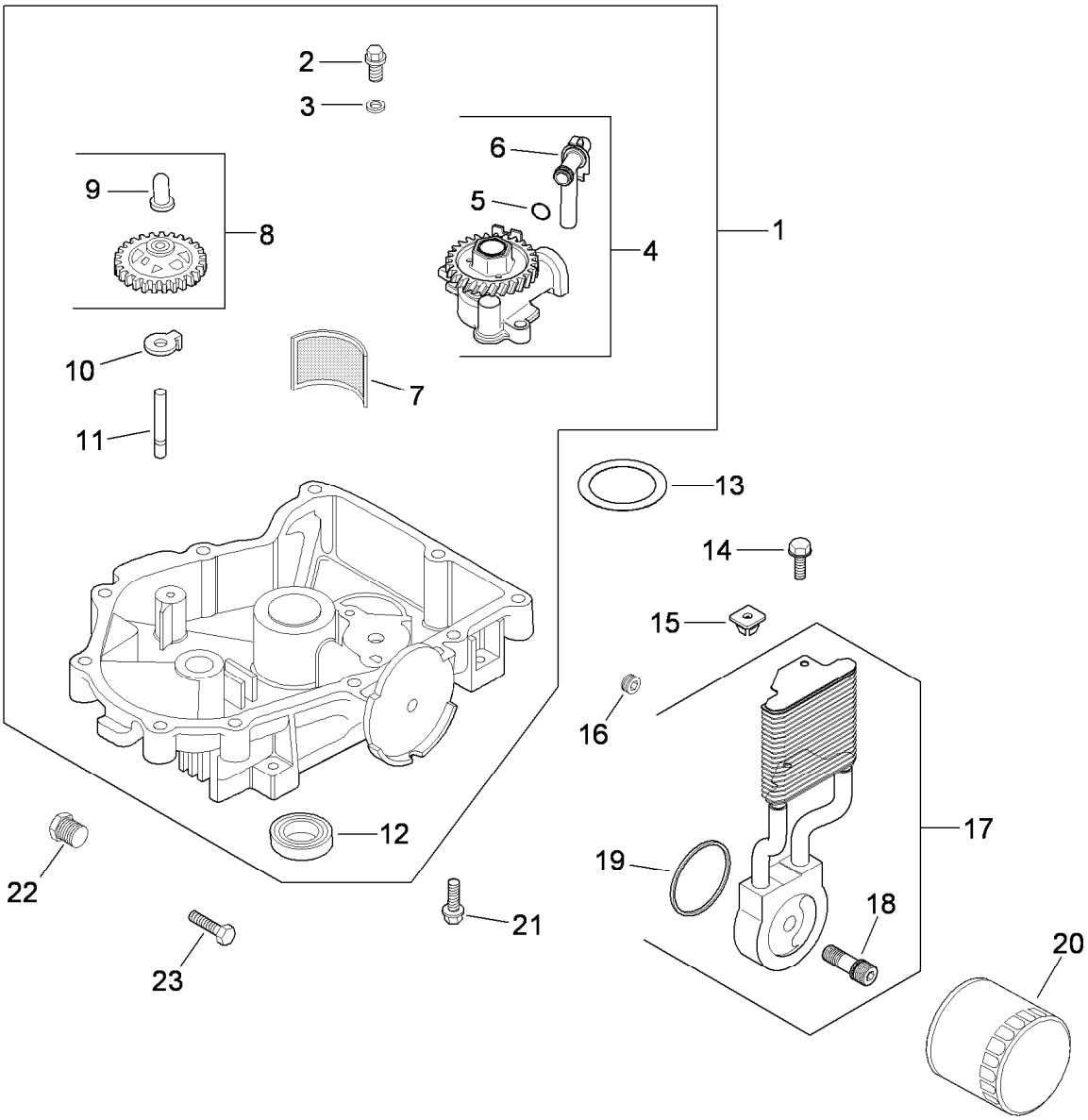
■ Obtain parts from www.kohlerplus.com




# Crankshaft Assembly

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 24 014 72-S | 1 | Crankshaft ASM (Includes 2) ● |
| 2 | 52 139 09-S | 1 | Plug-Cup ● |

● Obtain parts from www.kohlerplus.com

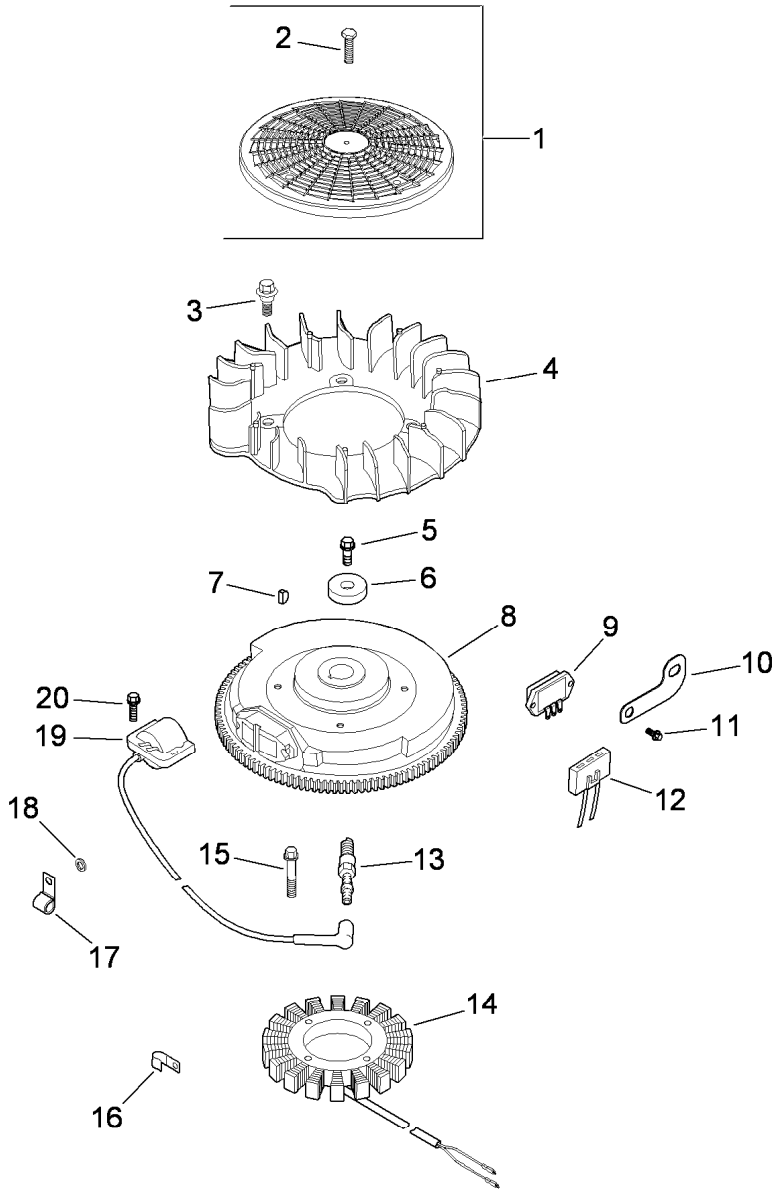



# Oil Pan and Lubrication Assembly
# Kohler CV680-3020

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 24 199 24-S | 1 | Oil Pan ASM (Includes 2-12) ● |
| 2 | M-645025-S | 2 | Screw-Flange, Thread Forming (M6X1.0X25) ● |
| 3 | M-631005-S | 2 | Washer-Flat (6 Mm) ● |
| 4 | 24 393 51-S | 1 | Oil Pump ASM (Includes 5, 6) ● |
| 5 | 24 153 01-S | 1 | O-Ring (Oil Pick-Up) ● |
| 6 | 24 381 11-S | 1 | Tube-Pickup, Oil ● |
| 7 | 24 162 26-S | 1 | Screen-Oil ● |
| 8 | 24 043 12-S | 1 | Governor Gear W/Pin Kit (Includes 9) ● |
| 9 | 12 380 01-S | 1 | Pin-Regulating, Governor ● |
| 10 | 24 448 02-S | 1 | Tab-Locking ● |
| 11 | 12 144 02-S | 1 | Shaft-Gear, Governor ● |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 12 | 25 032 06-S | 1 | Seal-Oil ● |
| 13 | 24 153 08-S | 1 | O-Ring ● |
| 14 | 24 086 12-S | 2 | Screw-TAP (M6X1.7X18) ● |
| 15 | 25 100 37-S | 2 | Nut-Plastic (Black) ● |
| 16 | 25 139 62-S | 1 | Plug-Pipe, HH (3/8) ● |
| 17 | 54 755 21-S | 1 | Oil Cooler Kit (Metal) (Includes 18, 19) ● |
| 18 | 24 136 05-S | 1 | Nipple-Filter, Oil ● |
| 19 | 24 153 21-S | 1 | O-Ring (Oil Cooler) ● |
| 20 | 52 050 02-S | 1 | Filter-Oil ● |
| 21 | 24 086 17-S | 9 | Screw-Flange (M8X1.25X45) ● |
| 22 | 25 139 57-S | 1 | Plug-Pipe, Sq HD (3/8) ● |
| 23 | 25 086 17-S | 1 | Screw ● |

● Obtain parts from www.kohlerplus.com



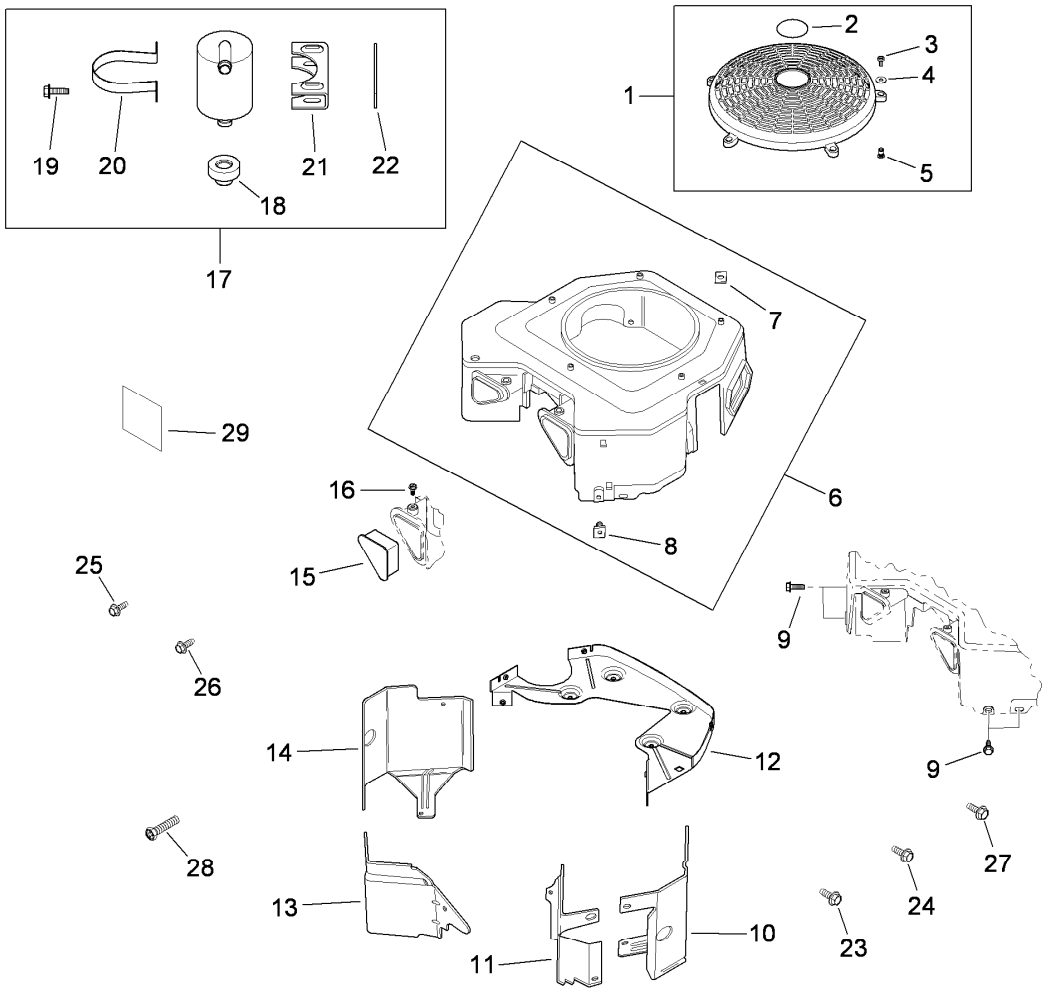

# Ignition and Electrical Assembly
# Kohler CV680-3020

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 54 755 15-S | 1 | Grass Screen Kit (Includes 2) ■ |
| 2 | 25 086 117-S | 4 | Screw-Flange, Sems (M4X.7X25) ■ |
| 3 | 25 086 47-S | 4 | Bolt-Shoulder (M6X1.0X16) ■ |
| 4 | 24 157 12-S | 1 | Fan ■ |
| 5 | 12 086 14-S | 1 | Screw-Flange (M10X1.5X45) ■ |
| 6 | 12 468 03-S | 1 | Washer-Flat (13/32) ■ |
| 7 | X-42-15-S | 1 | Key (3/16 X 5/8) ■ |
| 8 | 24 025 55-S | 1 | Flywheel ASM ■ |
| 9 | 41 403 10-S | 1 | Rectifier/Regulator ■ |
| 10 | 24 126 137-S | 1 | Bracket-Strap, Ground ■ |
| 11 | 25 086 157-S | 2 | Screw-Hex Flange, Hi-Lo ■ |
| 12 | 25 155 41-S | 1 | Connector (3 Contact) ■ |

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 13 | 25 132 14-S | 2 | Spark Plug (R F I) ■ |
| 14 | 237878-S | 1 | 15 Amp Stator Kit (Includes 25 452 01-S) ■ |
| 15 | M-548025-S | 2 | Screw-Thread Forming (M5X0.8X25) ■ |
| 16 | 235173-S | 1 | Clip-Cable ■ |
| 17 | 210281-S | 1 | Clip ■ |
| 18 | X-25-63-S | 1 | Washer-Flat (1/4) ■ |
| 19 | 24 584 45-S | 2 | Module-Ignition (C D I Fixed) ■ |
| 20 | M-545020-S | 4 | Screw-Flange, Thread Forming (M5X.8X20) ■ |
| | 24 176 137-S | 1 | Wiring Harness ASM ■ ● |
| | 25 454 07-S | 2 | Tie-Wire ■ ● |
| | 25 452 01-S | 2 | Terminal ■ ● |

● Not illustrated

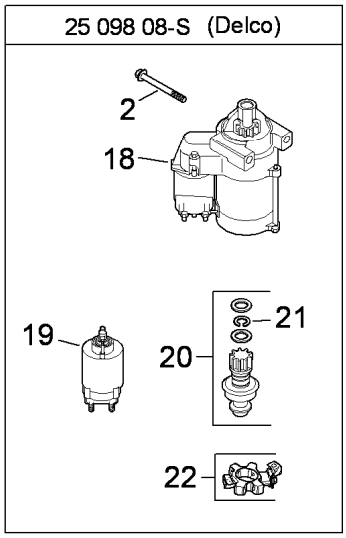
■ Obtain parts from www.kohlerplus.com

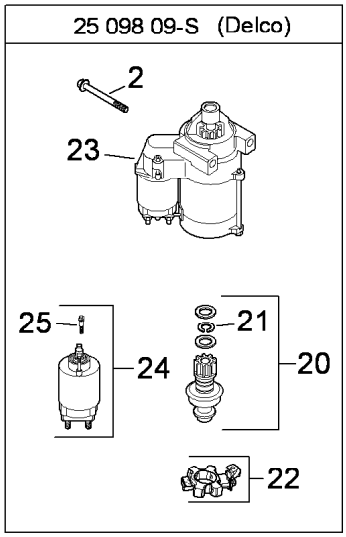


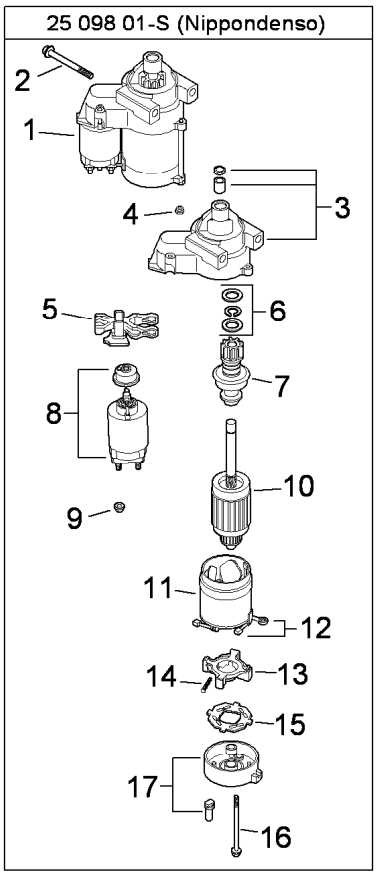

# Blower Housing Assembly
# Kohler CV680-3020

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 24 755 81-S | 1 | Fixed Guard Kit (Includes 2-5) ● |
| 2 | 24 113 18-S | 1 | Decal-Screen, Grass ● |
| 3 | 25 086 160-S | 5 | Screw-Sems ● |
| 4 | 24 468 10-S | 5 | Washer-Plain (1/4) ● |
| 5 | 24 332 01-S | 5 | Insert-Threaded ● |
| 6 | 24 027 91-S | 1 | Blower Housing Kit (Includes 7, 8) ● |
| 7 | 25 100 37-S | 1 | Nut-Plastic (Black) ● |
| 8 | 24 100 02-S | 4 | Nut-Plastic ● |
| 9 | M-645016-S | 4 | Screw-Flange, Thread Forming (M6X1.0X16) ● |
| 10 | 24 063 39-S | 1 | Baffle-Barrel, Cylinder (No. 2 Side) Use 24 063 76-S Baffle ● |
| 11 | 24 063 90-S | 1 | Baffle-Valley, Cylinder (No.2 Side) ● |
| 12 | 24 146 55-S | 1 | Plate-Backing ● |
| 13 | 24 063 89-S | 1 | Baffle-Valley, Cylinder (No.1 Side) ● |
| 14 | 24 063 45-S | 1 | Barrel-Cylinder (No.1 Side) ● |
| 15 | 24 096 17-S | 2 | Cover-Housing, Blower ● |
| 16 | 25 086 91-S | 1 | Screw-Wsh HD Tap (8-18X.50) ● |
| 17 | 24 755 57-S | 1 | Breather Separator Kit (Includes 18-22) ● |
| 18 | 25 313 03-S | 1 | Grommet-Rubber ● |
| 19 | M-545016-S | 3 | Screw-Flange, Thread Forming (M5X0.8X16) ● |
| 20 | 24 445 02-S | 1 | Strap-Breather ● |
| 21 | 24 126 44-S | 1 | Bracket-Separator, Breather ● |
| 22 | 24 112 12-S | 1 | Spacer ● |
| 23 | M-645016-S | 1 | Screw-Flange, Thread Forming (M6X1.0X16) ● |
| 24 | M-645020-S | 3 | Screw-HHFTF (M6X1.0X20) ● |
| 25 | M-561016-S | 1 | Screw-Flange, Thread Forming (M5X.80X16) ● |
| 26 | M-545010-S | 2 | Screw-HHFTF (M5X.80X10) ● |
| 27 | M-645016-S | 2 | Screw-Flange, Thread Forming (M6X1.0X16) ● |
| 28 | 24 086 18-S | 2 | Screw-Phl HD (11-16X.88) ● |
| 29 | 41 037 10-S | 1 | Nameplate-Service ● |

● Obtain parts from www.kohlerplus.com




Service starter components according to the part number printed on the starter

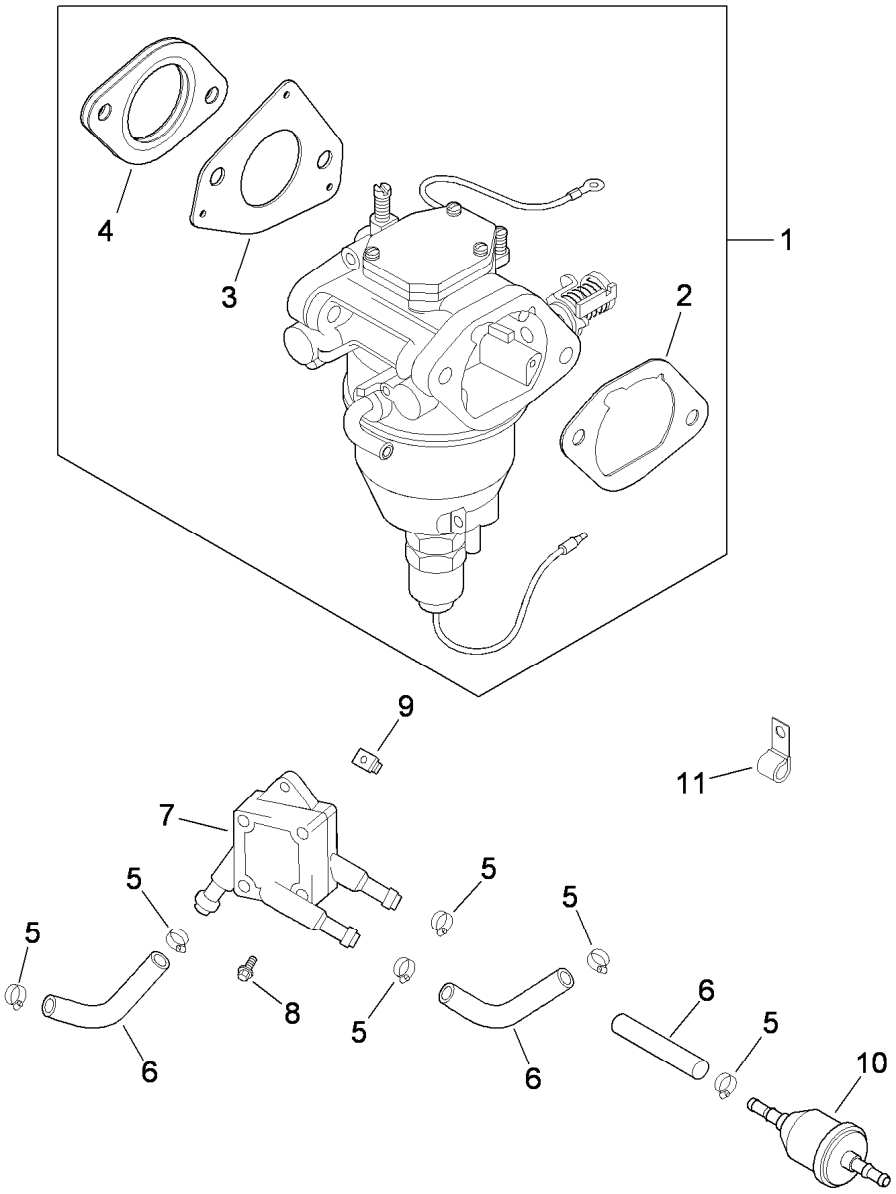
Starter components are NOT interchangeable

To replace complete Starter Assembly, Order Part Number 25 098 09-S

# Starter Assembly
# Kohler CV680-3020

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 24 098 01-S | 1 | Starter ASM (Solenoid Shift) (Use 25 098 08-S Starter) ● |
| 2 | M-839080-S | 2 | Screw-Flg (M8X1.25X80) ● |
| 3 | 24 081 04-S | 1 | Cap-End, Drive ● |
| 4 | 52 100 09-S | 1 | Nut ● |
| 5 | 12 090 10-S | 1 | Lever-Drive, Starter ● |
| 6 | 24 755 84-S | 1 | Starter Repair Kit ● |
| 7 | 12 239 01-S | 1 | Drive-Pinion ● |
| 8 | 52 435 02-S | 1 | Solenoid ● |
| 9 | 52 100 10-S | 2 | Nut-Starter ● |
| 10 | 12 170 04-S | 1 | Armature-Starter ● |
| 11 | 12 471 01-S | 1 | Frame W/Brushes ASM ● |
| 12 | 52 323 03-S | 1 | Holder-Brush ● |
| 13 | 52 221 01-S | 1 | Brush And Spring Kit ● |
| 14 | 52 089 09-S | 1 | Spring-Brush ● |
| 15 | 52 168 01-S | 1 | Insulator ● |
| 16 | 52 211 05-S | 2 | Bolt-Thru ● |
| 17 | 24 301 01-S | 1 | Commutator-Cap, End ● |
| 18 | 25 098 08-S | 1 | Starter ASM (Solenoid Shift) (Use 25 098 09-S Starter) ● |
| 19 | 25 435 04-S | 1 | Solenoid Kit ● |
| 20 | 25 755 33-S | 1 | Starter Pinion Drive Kit (Includes 21) ● |
| 21 | 25 141 05-S | 1 | Ring-Retaining ● |
| 22 | 25 221 01-S | 1 | Brush Holder Kit ● |
| 23 | 25 098 09-S | 1 | Starter ASM (Solenoid Shift) (Includes 2, 20, 21, 22, 24, 25) ● |
| 24 | 25 435 06-S | 1 | Solenoid Kit (Includes 25) ● |
| 25 | 25 086 113-S | 3 | Screw-Torx Head, External ● |

● Obtain parts from www.kohlerplus.com

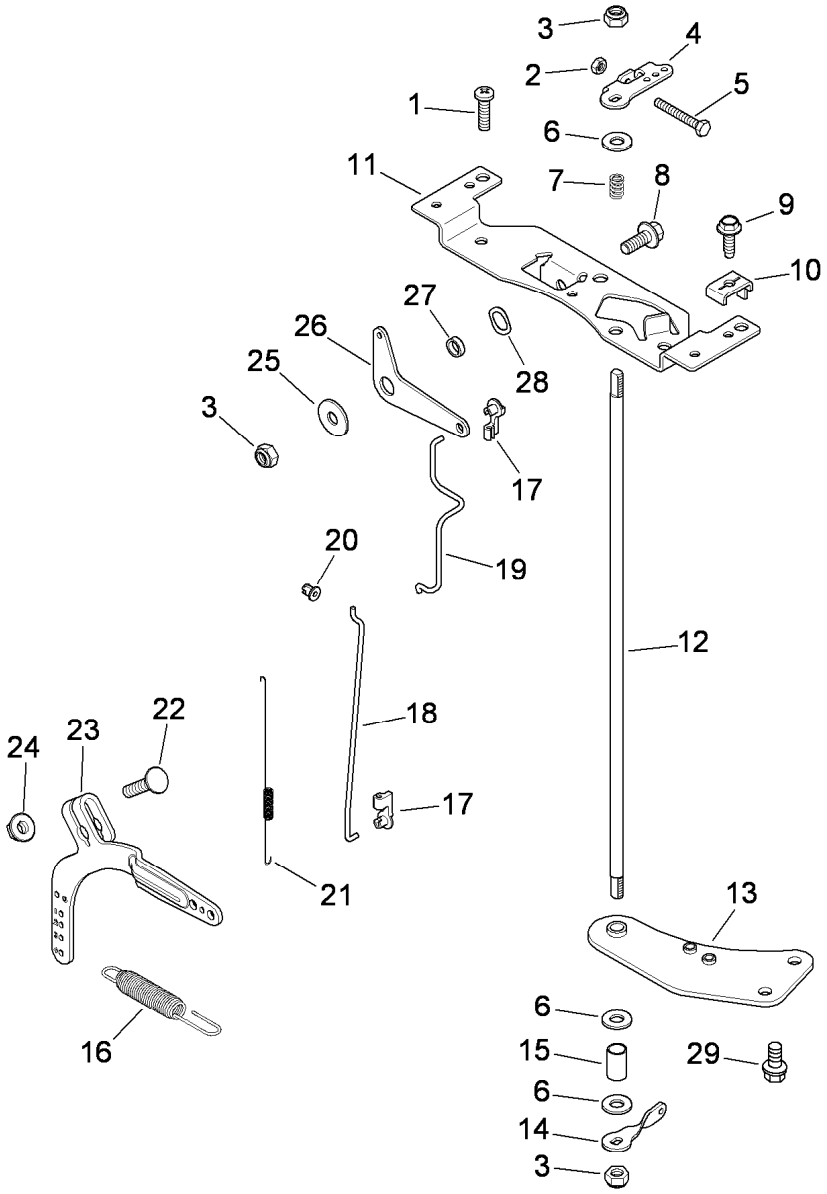



# Fuel System Assembly
# Kohler CV680-3020

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 24 853 97-S | 1 | Carburetor Kit W/Gaskets (Includes 2-4) ■ |
| 2 | 24 041 14-S | 1 | Gasket-Base, Air Cleaner ■ |
| 3 | 24 041 52-S | 1 | Gasket-Carburetor ■ |
| 4 | 24 041 15-S | 1 | Gasket-Carburetor ■ |
| 5 | 25 237 14-S | 6 | Clamp-Hose, Spring (1/2) ■ |
| 6 | 25 111 34-S | 2 | Line-Fuel (24.0 Cut To Length) ■ |
| 7 | 24 393 16-S | 1 | Pump-Fuel ■ |
| 8 | 24 086 12-S | 2 | Screw-TAP (M6X1.7X18) ■ |
| 9 | 25 100 37-S | 2 | Nut-Plastic (Black) ■ |
| 10 | 24 050 13-S | 1 | Filter-Fuel ■ |
| 11 | 47 154 01-S | 1 | Clip-Cable ■ |
| | 24 757 36-S | 1 | Choke Repair/Service Kit ■● |
| | 24 757 44-S | 1 | Float Repair Kit ■● |
| | 24 757 45-S | 1 | Solenoid Valve Repair Kit ■● |
| | 24 757 46-S | 1 | Overhaul Kit W/Gaskets ■● |

● Not illustrated

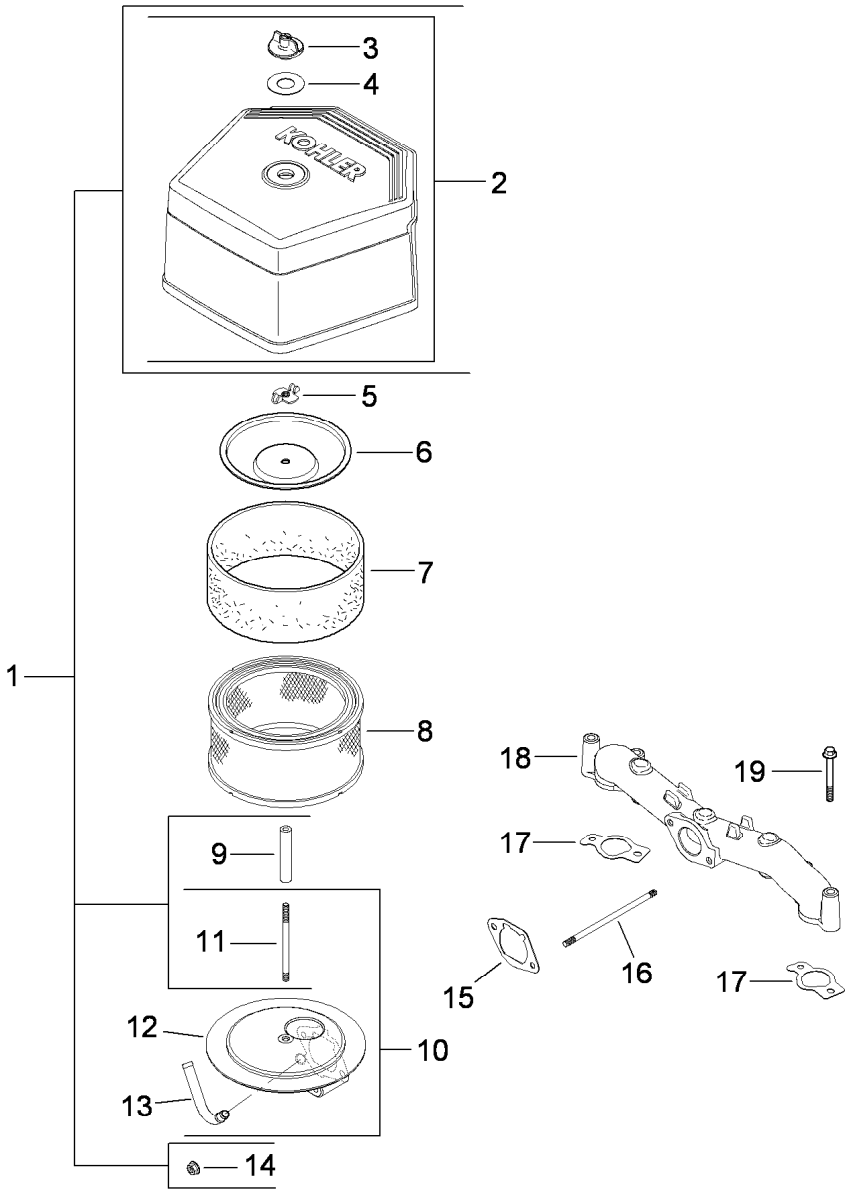
■ Obtain parts from www.kohlerplus.com




# Engine Control Assembly
# Kohler CV680-3020

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 24 086 06-S | 2 | Screw-PPH (11-16X3/4) ● |
| 2 | M-446030-S | 1 | Nut (M4X0.7) ● |
| 3 | M-647060-S | 3 | Nut-Lock (M6X1.0) ● |
| 4 | 24 090 09-S | 1 | Lever-Control, Throttle ● |
| 5 | M-401030-S | 1 | Screw (M4X0.7X30) ● |
| 6 | X-25-72-S | 1 | Washer-Plain (1/4) ● |
| 7 | 24 089 20-S | 1 | Spring-Shaft, Throttle ● |
| 8 | M-639016-S | 1 | Screw-HF (M6X1.0X16) ● |
| 9 | M-545016-S | 2 | Screw-Flange, Thread Forming (M5X0.8X16) ● |
| 10 | 12 237 01-S | 2 | Clamp-Cable ● |
| 11 | 24 126 111-S | 1 | Bracket-Control ● |
| 12 | 24 144 11-S | 1 | Shaft-Throttle ● |
| 13 | 24 126 162-S | 1 | Bracket-Shaft, Throttle ● |
| 14 | 24 090 12-S | 1 | Lever-Control, Throttle ● |
| 15 | 24 112 10-S | 1 | Spacer ● |
| 16 | 24 089 49-S | 1 | Spring-Governor (Orange) ● |
| 17 | 25 158 11-S | 2 | Bushing-Retaining, Linkage ● |
| 18 | 24 079 04-S | 1 | Linkage-Throttle ● |
| 19 | 24 079 10-S | 1 | Linkage-Choke ● |
| 20 | 25 158 08-S | 1 | Bushing-Linkage, Throttle ● |
| 21 | 24 089 01-S | 1 | Spring-Linkage ● |
| 22 | 24 211 03-S | 1 | Bolt-Sq Neck, Rd HD (M6X1.0X25) ● |
| 23 | 24 090 51-S | 1 | Lever-Governor ● |
| 24 | M-641060-S | 1 | Nut-Flange (M6X1.0) ● |
| 25 | X-25-52-S | 1 | Washer-Flat (1/4) ● |
| 26 | 24 090 20-S | 1 | Lever-Choke ● |
| 27 | 25 431 01-S | 1 | Spacer ● |
| 28 | 277341-S | 1 | Washer-Spring (3/8) ● |
| 29 | M-645016-S | 1 | Screw-Flange, Thread Forming (M6X1.0X16) ● |

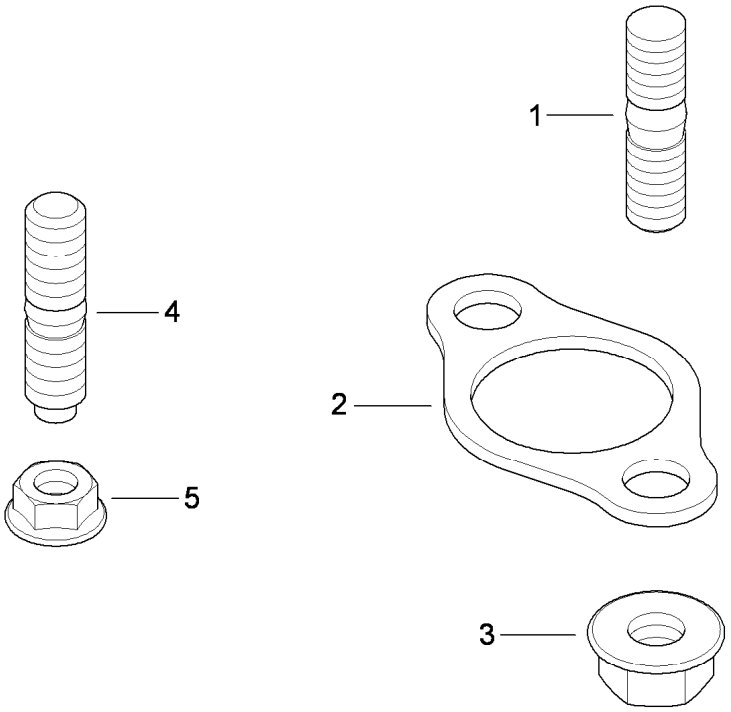
● Obtain parts from www.kohlerplus.com




# Air Intake and Filtration Assembly
# Kohler CV680-3020

| Ref. | Part Number | Qty. | Description |
|---|---|---|---|
| 1 | 24 743 17-S | 1 | Air Cleaner ASM (W A W B) (Includes 2-4, 9, 11, 14) ● |
| 2 | 24 743 11-S | 1 | Air Cleaner Cover ASM (Includes 3, 4) ● |
| 3 | 25 341 04-S | 1 | Knob-Cover ● |
| 4 | 24 041 27-S | 1 | Gasket-Cover Knob, Air Cleaner ● |
| 5 | 12 100 01-S | 1 | Nut-Wing ● |
| 6 | 52 082 04-S | 1 | Cover-Air Cleaner, Inner ● |
| 7 | 45 083 01-S | 1 | Element-Cleaner, Pre ● |
| 8 | 45 083 02-S | 1 | Element-Cleaner, Air ● |
| 9 | 24 032 04-S | 1 | Seal ● |
| 10 | 24 054 20-S | 1 | Air Cleaner ASM (Includes 11-13) ● |
| 11 | 24 072 06-S | 1 | Stud (M6X1.0X93) ● |
| 12 | 24 054 07-S | 1 | Base-Cleaner, Air ● |
| 13 | 24 294 01-S | 1 | Elbow ● |
| 14 | M-641060-S | 2 | Nut-Flange (M6X1.0) ● |
| 15 | 24 041 14-S | 1 | Gasket-Base, Air Cleaner ● |
| 16 | M-629128-S | 2 | Stud (M6X1.0X128) ● |
| 17 | 24 041 01-S | 2 | Gasket-Manifold, Intake ● |
| 18 | 24 164 06-S | 1 | Manifold-Intake ● |
| 19 | 25 086 84-S | 4 | Screw-HF (M6X1.0X55) ● |

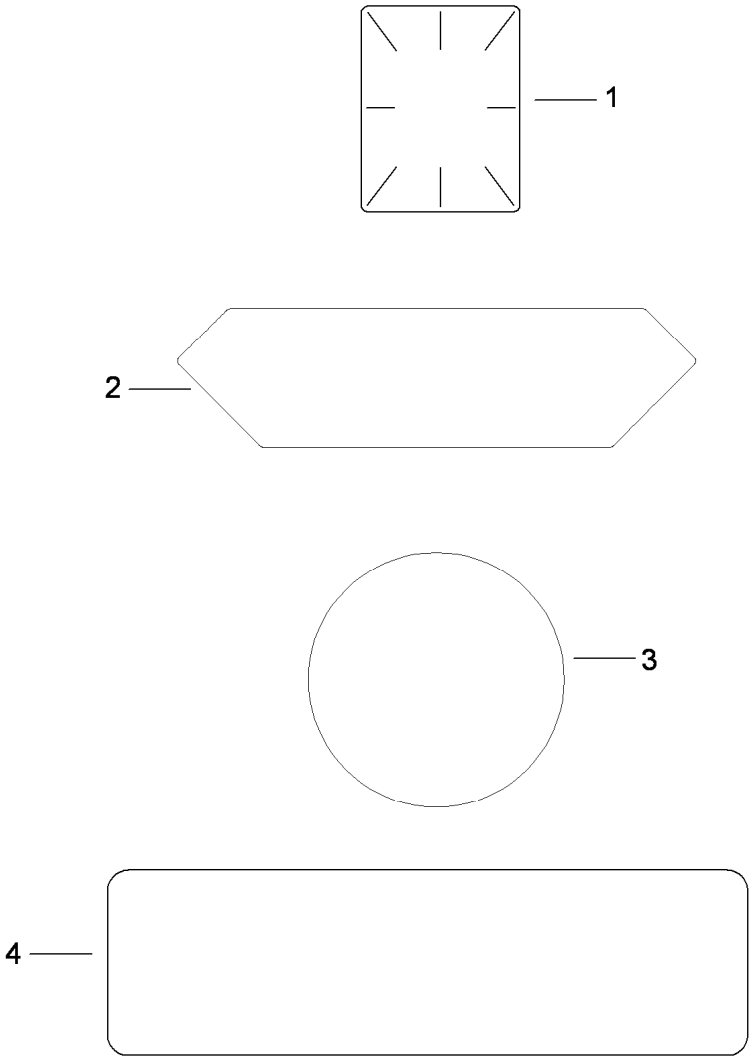
● Obtain parts from www.kohlerplus.com




# Exhaust Assembly
# Kohler CV680-3020

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 24 072 08-S | 4 | Stud-Exhaust (M6X1.0X37) ● |
| 2 | 24 041 49-S | 2 | Gasket-Exhaust ● |
| 3 | M-841080-S | 4 | Nut-Flange (M8X1.25) ● |
| 4 | 25 072 14-S | 4 | Stud (M8X1.25X33) ● |
| 5 | M-641060-S | 4 | Nut-Flange (M6X1.0) ● |

● Obtain parts from www.kohlerplus.com




Artwork is representative
Actual labels may differ depending on model and specification number

# Decals
# Kohler CV680-3020

| *Ref.* | *Part Number* | *Qty.* | *Description* |
|---|---|---|---|
| 1 | 25 113 39-S | 1 | Decal-Laminate, Clear ● |
| 2 | 24 113 25-S | 1 | Decal-Cooler, Oil ● |
| 3 | 24 113 18-S | 1 | Decal-Screen, Grass ● |
| 4 | 24 113 81-S | 1 | Decal-23 Hp ● |

● Obtain parts from www.kohlerplus.com

# Attachments and Accessories

## For 74901 Z Master G3 Riding Mower, with 48in TURBO FORCE Side Discharge Mower

| Product Name | Model/Part |
|---|---|
| Hitch Kit | 109-9487 |
| Hypr-Oil 500 (quart) | 114-4713 |
| Hypr-Oil 500 (gallon) | 114-4714 |
| Hypr-Oil 500-5 (5 gallon) | 114-4715 |
| Bimini Folding Shade Assembly | 115-4510 |
| Recycler Kit | 115-7466 |
| Light Kit | 116-1154 |
| Z Stand Kit | 117-0350 |
| Operator-Controlled Discharge Chute Kit | 117-3600 |
| Deluxe Suspension Seat Kit | 117-6174 |
| Blower and Drive Kit | 78551 |
| E-Z Vac Twin Bagging System | 78562 |
| E-Z Vac DFS Collection System | 78566 |
| Trash Holder Kit | TC26 |

## Notes:

## Notes:

## Notes:

**Count on it.**