



## **Z400 Z Master<sup>®</sup>**

### **With 48in 7-Gauge Side Discharge Mower**

Model No. 74412 - 250005001 and up.

## **Parts Catalog**

### **Ordering Replacement Parts**

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

### **Understanding Reference Numbers**

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

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

### **Service Assembly Reference Numbers**

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

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

### **Reference Numbers Indicating Quantity**

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

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

## Contents

| Description                                       | Page     | Description                                            | Page     |
|---------------------------------------------------|----------|--------------------------------------------------------|----------|
| Front Frame Assembly                              | ..... 3  | Electrical System Assembly                             | ..... 23 |
| Height-of-Cut Assembly                            | ..... 4  | Crankshaft Assembly Kohler CV493S 27528                | ..... 24 |
| Main Frame Assembly                               | ..... 5  | Crankcase Assembly Kohler CV493S 27528                 | ..... 25 |
| Fuel System Assembly                              | ..... 6  | Oil Pan/Lubrication Assembly Kohler CV493S 27528       | ..... 26 |
| Parking Brake Assembly                            | ..... 7  | Head/Valve/Breather Assembly Kohler CV493S 27528       | ..... 27 |
| Motion Control Assembly                           | ..... 8  | Ignition/Electrical Assembly Kohler CV493S 27528       | ..... 28 |
| Hydraulic System Assembly                         | ..... 9  | Blower Housing and Baffle Assembly Kohler CV493S 27528 | ..... 29 |
| Pump Idler and Belt Assembly                      | ..... 11 | Starting System Assembly Kohler CV493S 27528           | ..... 30 |
| Engine, Clutch and Muffler Assembly               | ..... 12 | Engine Control Assembly Kohler CV493S 27528            | ..... 33 |
| Deck Mounting Assembly                            | ..... 13 | Fuel System Assembly Kohler CV493S 27528               | ..... 31 |
| Deck Assembly No. 107-1667                        | ..... 14 | Air Intake/Filtration Assembly Kohler CV493S 27528     | ..... 34 |
| Deck Decal Assembly No. 107-1666                  | ..... 15 | Exhaust Assembly Kohler CV493S 27528                   | ..... 35 |
| Spindle Assembly No. 107-8504                     | ..... 16 | Attachments and Accessories List                       | ..... 36 |
| Rubber Deflector Assembly No. 108-2792            | ..... 17 |                                                        |          |
| Idler Assembly                                    | ..... 18 |                                                        |          |
| Seat and Bracket Assembly                         | ..... 19 |                                                        |          |
| Seat Assembly No. 107-2116                        | ..... 20 |                                                        |          |
| Roll-Over-Protection-System Assembly              | ..... 21 |                                                        |          |
| Roll-Over-Protection System Assembly No. 107-8093 | ..... 22 |                                                        |          |

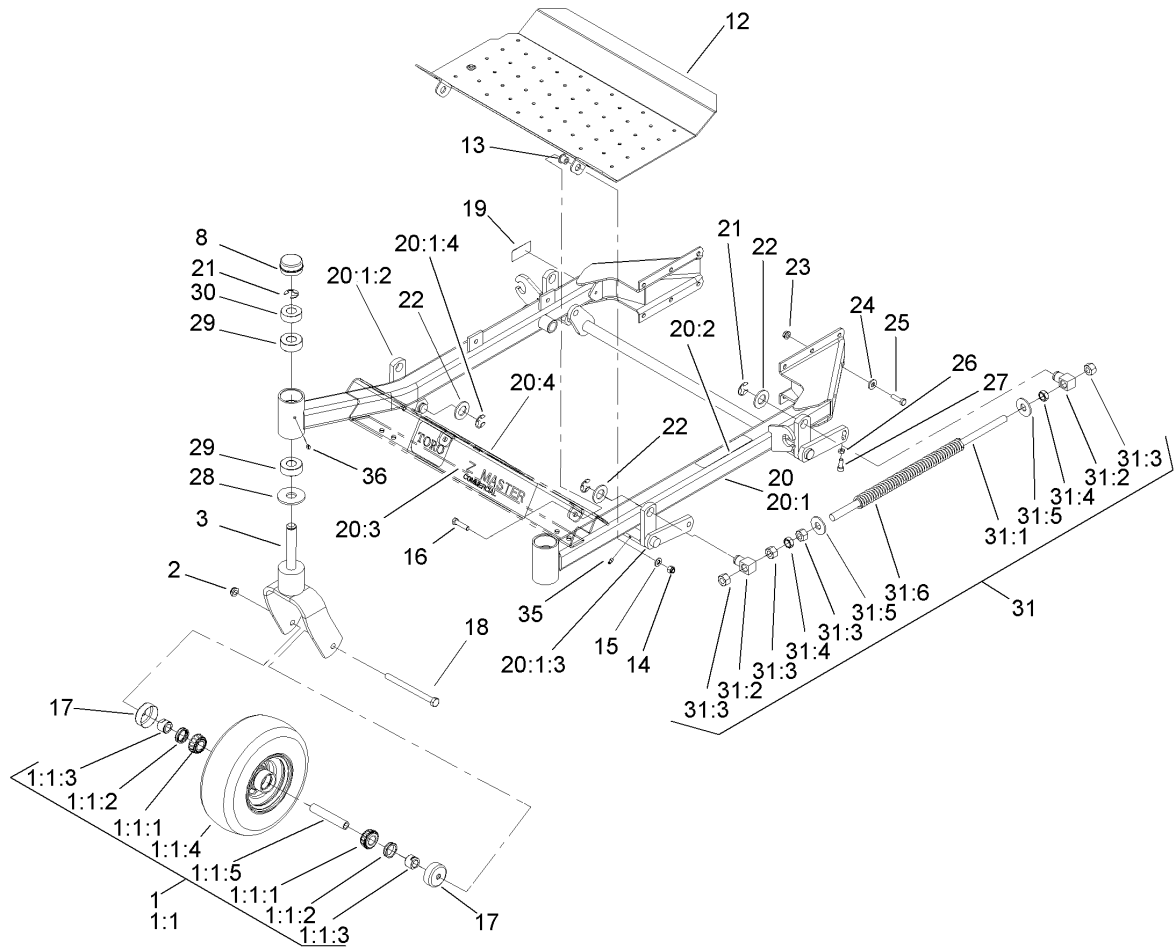
## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

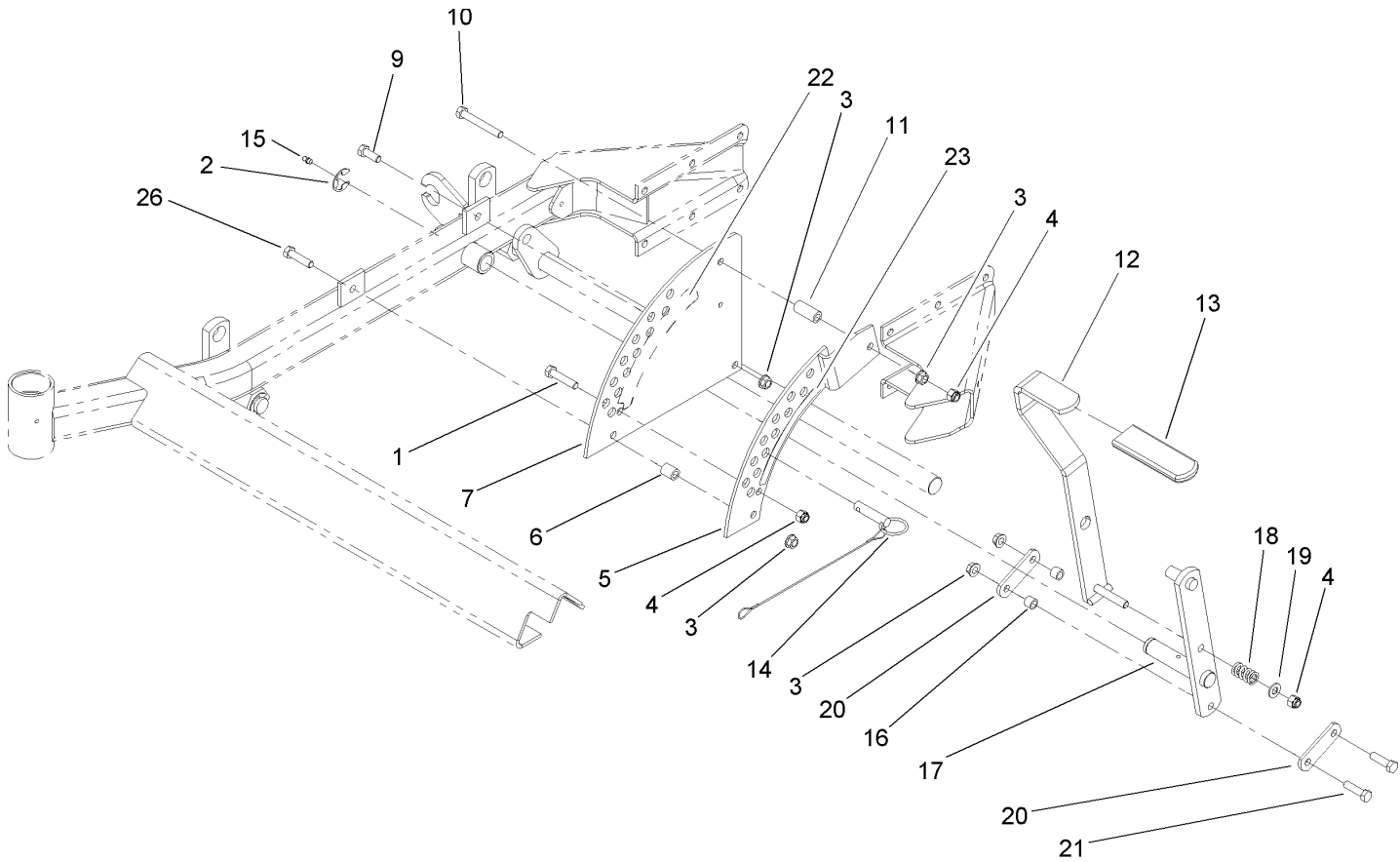
## Footnotes

- ❶ Not illustrated
- ❷ Not serviced separately
- ❸ Obtain Parts From Your Local Kohler Dealer



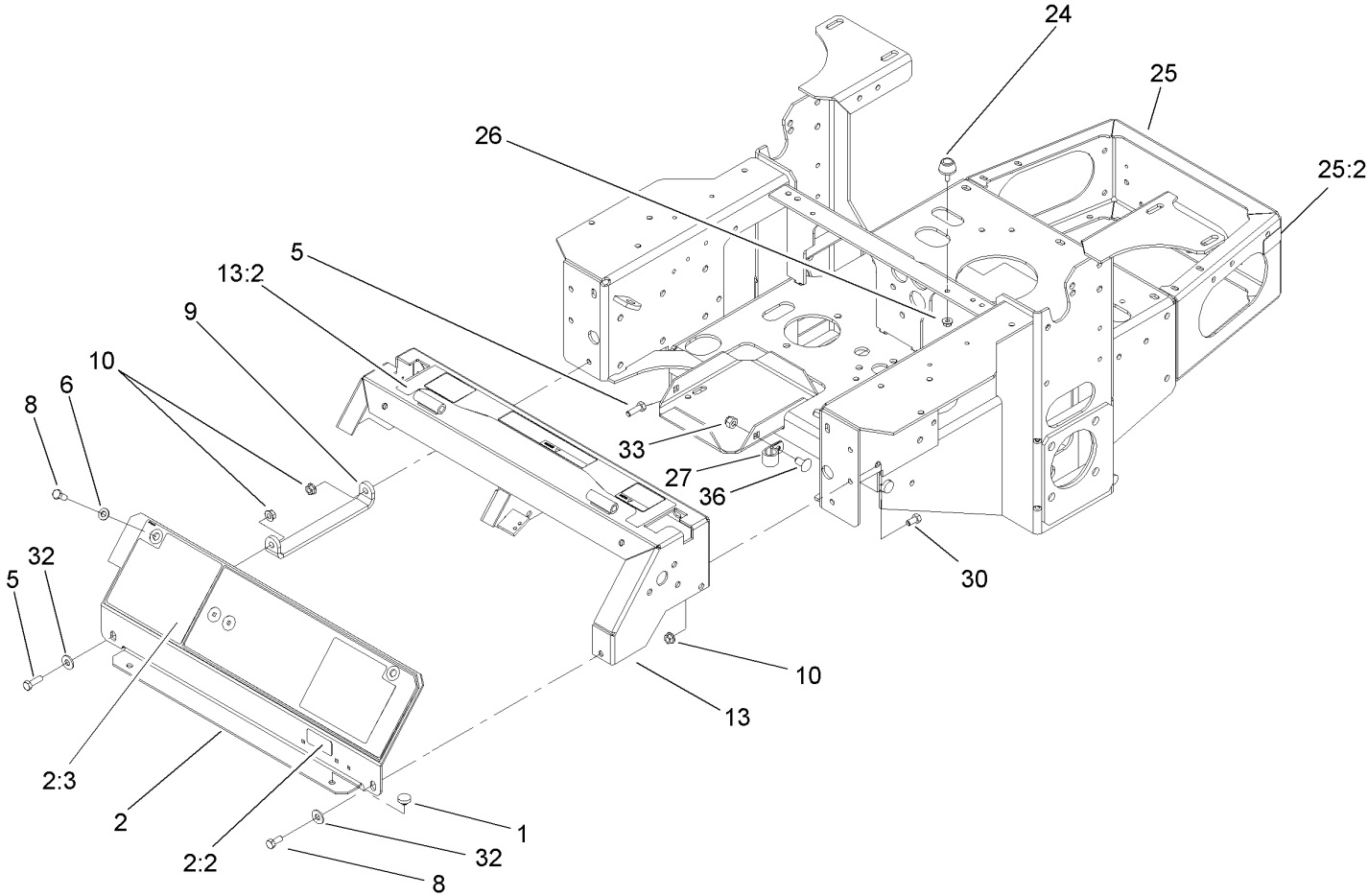
## Front Frame Assembly

| Ref    | Part No.    | Qty. | Description           | Ref  | Part No.  | Qty. | Description             |
|--------|-------------|------|-----------------------|------|-----------|------|-------------------------|
| 1      | 103-3800    | 2    | Wheel And Tire ASM    | 20:3 | 106-9730  | 1    | Decal                   |
| ② 1:1  |             | 1    | Wheel And Bearing ASM | 20:4 | 107-2112  | 1    | Decal-Warning           |
| 1:1:1  | 1-633585    | 2    | Bearing-Cone, Taper   | 21   | 32151-103 | 6    | Ring-Snap               |
| 1:1:2  | 103-0063    | 2    | Seal-Caster           | 22   | 3256-29   | 6    | Washer-Flat             |
| 1:1:3  | 103-3051    | 2    | Spacer-Nut            | 23   | 3290-357  | 12   | Nut-HHF                 |
| 1:1:4  | 103-3151    | 1    | Wheel And Tire ASM    | 24   | 98-5975   | 12   | Washer-Belleville       |
| 1:1:5  | 103-3157    | 1    | Axle-Caster           | 25   | 323-7     | 12   | Screw-HH                |
| 2      | 3296-45     | 2    | Nut-Lock, NI          | 26   | 3218-2    | 2    | Nut-Jam                 |
| 3      | 106-8796-01 | 2    | Caster Fork ASM       | 27   | 3274-18   | 2    | Screw-HSH               |
| 8      | 1-543513    | 2    | Cap-Grease            | 28   | 104-1105  | 2    | Spacer-Support, Deck    |
| 12     | 108-5007-03 | 1    | Floor Pan             | 29   | 108-1059  | 4    | Bushing                 |
| 13     | 86-2180     | 2    | Bushing-Flange        | 30   | 108-2654  | 2    | Spacer                  |
| 14     | 3296-39     | 2    | Nut-Lock, NI          | 31   | 1-634439  | 2    | Front Frame Spring ASM  |
| 15     | 3256-24     | 2    | Washer-Flat           | 31:1 | 1-633096  | 1    | Rod-Lift, Deck          |
| 16     | 323-8       | 2    | Screw-HH              | 31:2 | 1-633441  | 2    | Swivel-Deck Mount, Rear |
| 17     | 103-2768    | 4    | Guard-Seal            | 31:3 | 3217-11   | 4    | Nut-Hex                 |
| 18     | 325-20      | 2    | Screw-HH              | 31:4 | 3218-6    | 2    | Nut-Jam                 |
| 19     | 105-2625    | 1    | Decal-STD, Safety     | 31:5 | 3256-7    | 2    | Washer-Flat             |
| 20     | 108-1130    | 1    | Front Frame ASM       | 31:6 | 1-633064  | 1    | Spring-Support, Deck    |
| ② 20:1 |             | 1    | Frame-Front           | 35   | 302-19    | 4    | Fitting-Grease          |
| 20:1:2 | 99-3872     | 1    | RH Lift Arm ASM       | 36   | 302-5     | 2    | Fitting-Grease          |
| 20:1:3 | 99-3871     | 1    | LH Lift Arm ASM       |      |           |      |                         |
| 20:1:4 | 32151-103   | 2    | Ring-Snap             |      |           |      |                         |
| 20:2   | 1-633818    | 1    | Decal-Warning         |      |           |      |                         |



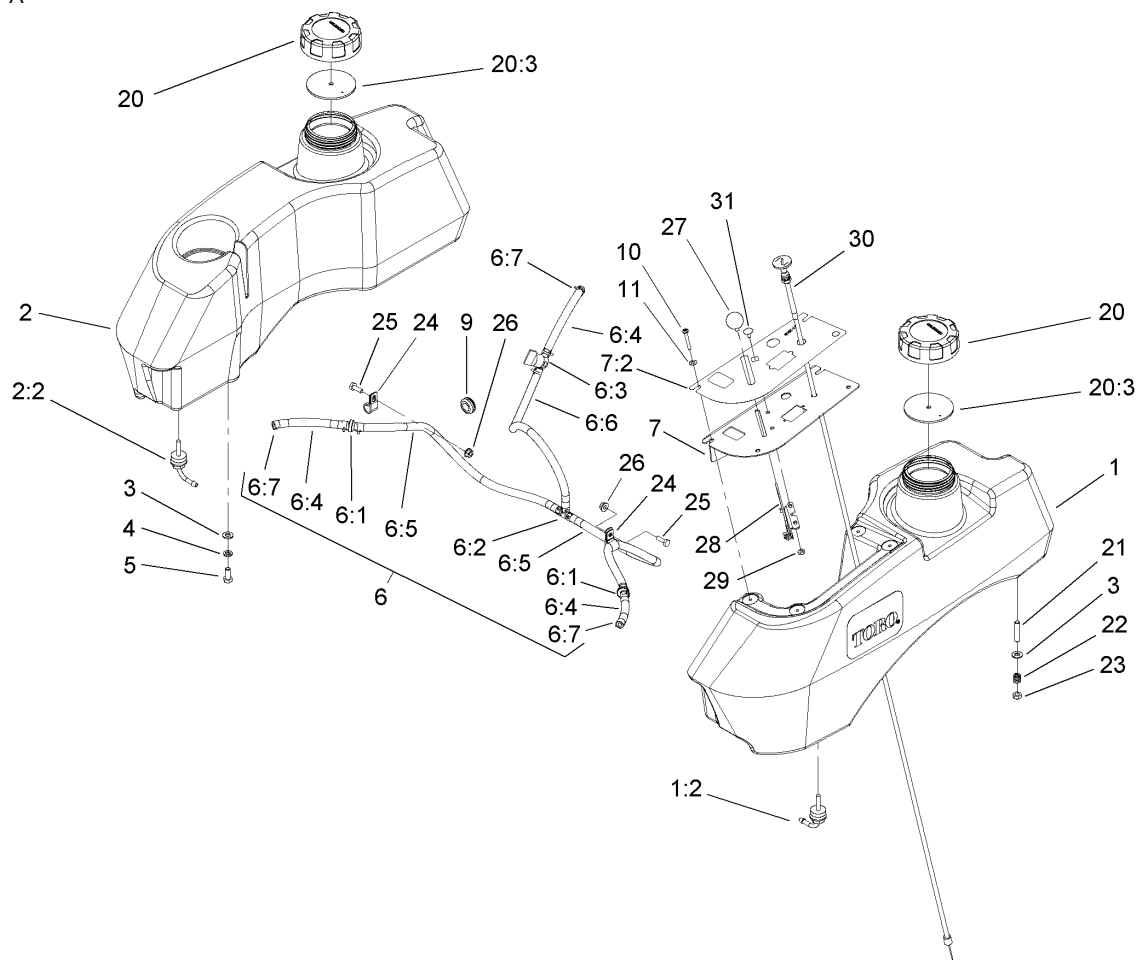
Height-of-Cut Assembly

| Ref | Part No.    | Qty. | Description              |  |  |  |  |
|-----|-------------|------|--------------------------|--|--|--|--|
| 1   | 323-9       | 1    | Screw-HH                 |  |  |  |  |
| 2   | 32151-103   | 1    | Ring-Snap                |  |  |  |  |
| 3   | 3290-357    | 5    | Nut-HHF                  |  |  |  |  |
| 4   | 3296-39     | 3    | Nut-Lock, NI             |  |  |  |  |
| 5   | 1-652235-01 | 1    | Plate-Lift, Deck         |  |  |  |  |
| 6   | 1-633080    | 1    | Bushing-Lever, Lift      |  |  |  |  |
| 7   | 1-653230-01 | 1    | Plate-Lift, Deck         |  |  |  |  |
| 9   | 323-6       | 1    | Screw-HH                 |  |  |  |  |
| 10  | 323-13      | 1    | Screw-HH                 |  |  |  |  |
| 11  | 1-633082    | 1    | Bushing-Lever, Lift      |  |  |  |  |
| 12  | 103-2078-03 | 1    | Handle-Lift              |  |  |  |  |
| 13  | 1-633295    | 1    | Grip-Lever, Lift         |  |  |  |  |
| 14  | 106-9951    | 1    | Hitch Pin ASM            |  |  |  |  |
| 15  | 302-19      | 1    | Fitting-Grease           |  |  |  |  |
| 16  | 103-1918    | 2    | Bushing                  |  |  |  |  |
| 17  | 106-6598-03 | 1    | Lift Arm ASM             |  |  |  |  |
| 18  | 1-633325    | 1    | Spring-Compression       |  |  |  |  |
| 19  | 3256-24     | 1    | Washer-Flat              |  |  |  |  |
| 20  | 1-633068    | 2    | Arm-Lift, Deck           |  |  |  |  |
| 21  | 323-29      | 2    | Screw-HH                 |  |  |  |  |
| 22  | 108-1051    | 1    | Decal-Deck Height, Outer |  |  |  |  |
| 23  | 108-1050    | 1    | Decal-Deck Height, Inner |  |  |  |  |
| 26  | 323-8       | 1    | Screw-HH                 |  |  |  |  |



Main Frame Assembly

| Ref  | Part No.    | Qty. | Description           |  |  |  |  |
|------|-------------|------|-----------------------|--|--|--|--|
| 1    | 1-513658    | 2    | Bumper                |  |  |  |  |
| 2    | 108-1864    | 1    | Panel ASM             |  |  |  |  |
| 2:2  | 98-4387     | 1    | Decal-Protection, Ear |  |  |  |  |
| 2:3  | 107-8445    | 1    | Decal-Cover, Panel    |  |  |  |  |
| 5    | 322-5       | 2    | Screw-HH              |  |  |  |  |
| 6    | 3256-23     | 2    | Washer-Flat           |  |  |  |  |
| 8    | 322-3       | 3    | Screw-HH              |  |  |  |  |
| 9    | 1-653089-03 | 1    | Bracket               |  |  |  |  |
| 10   | 32128-20    | 6    | Nut-HF                |  |  |  |  |
| 13   | 108-5997    | 1    | Console ASM           |  |  |  |  |
| 13:2 | 108-5995    | 1    | Decal-Warning         |  |  |  |  |
| 24   | 1-523420    | 2    | Bumper                |  |  |  |  |
| 25   | 108-2782    | 1    | Main Frame ASM        |  |  |  |  |
| 25:2 | 65-2690     | 1    | Decal-Surface, Hot    |  |  |  |  |
| 26   | 32128-33    | 2    | Nut-HF                |  |  |  |  |
| 27   | 1-633396    | 1    | Clip-Loom             |  |  |  |  |
| 30   | 322-2       | 4    | Screw-HH              |  |  |  |  |
| 32   | 3256-3      | 2    | Washer-Flat           |  |  |  |  |
| 33   | 3296-39     | 1    | Nut-Lock, NI          |  |  |  |  |
| 36   | 3231-21     | 1    | Screw-CARR            |  |  |  |  |

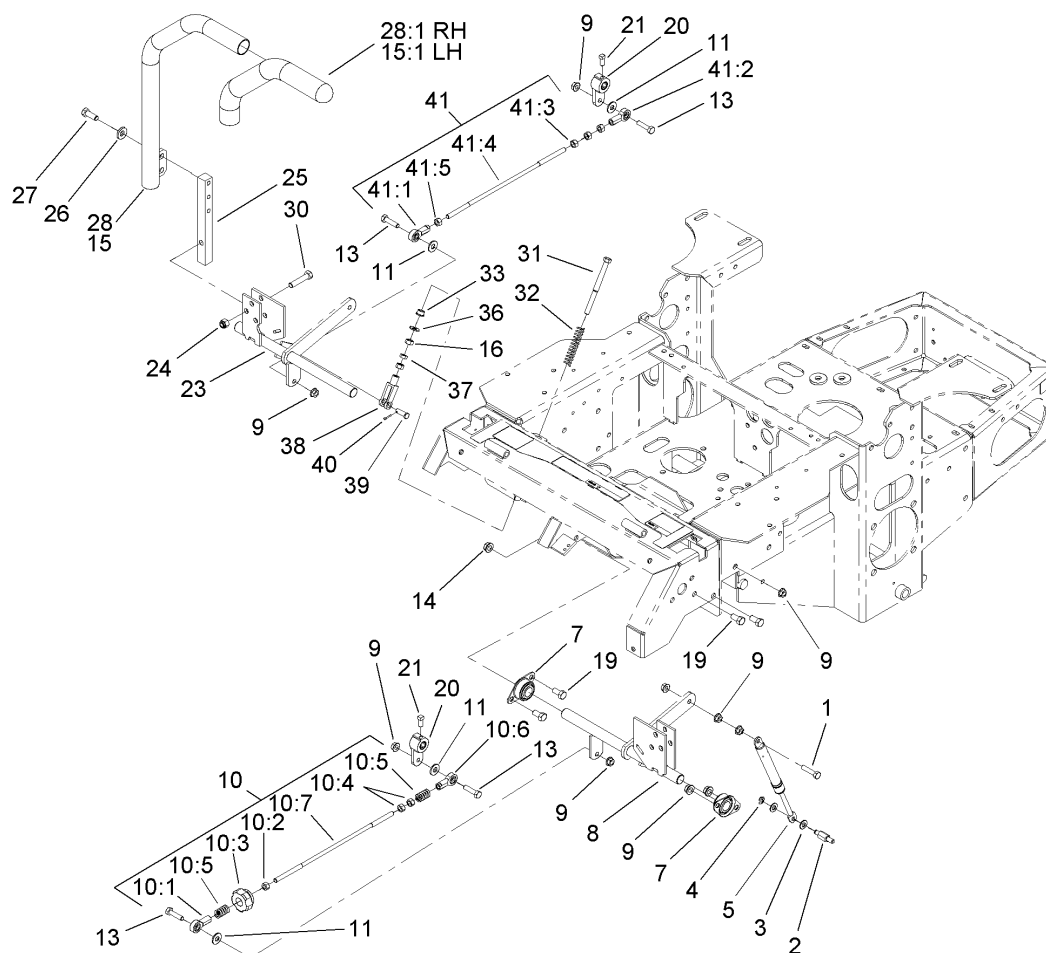


## Fuel System Assembly

| Ref  | Part No. | Qty. | Description            | Ref | Part No. | Qty. | Description    |
|------|----------|------|------------------------|-----|----------|------|----------------|
| 1    | 107-2146 | 1    | LH Fuel Tank ASM       | 23  | 3296-47  | 4    | Nut-Lock, NI   |
| 1:2  | 103-2605 | 1    | Fitting-Fuel, Bulkhead | 24  | 1-513762 | 4    | Clip-Loom      |
| 2    | 106-9975 | 1    | RH Fuel Tank ASM       | 25  | 321-4    | 2    | Screw-HH       |
| 2:2  | 103-2605 | 1    | Fitting-Fuel, Bulkhead | 26  | 32128-33 | 2    | Nut-HF         |
| 3    | 3256-23  | 8    | Washer-Flat            | 27  | 1-513592 | 1    | Knob-Ball      |
| 4    | 1-805005 | 4    | Washer-Lock            | 28  | 103-4091 | 1    | Cable-Throttle |
| 5    | 322-3    | 4    | Screw-HH               | 29  | 3296-2   | 2    | Nut-Lock       |
| 6    |          | 1    | Fuel Line ASM          | 30  | 103-4090 | 1    | Control-Choke  |
| 6:1  | 99-5000  | 2    | Valve-Check, Fuel      | 31  | 1-807513 | 2    | Bolt-CARR      |
| 6:2  | 99-5005  | 1    | Fitting-Tee, Barbed    |     |          |      |                |
| 6:3  | 1-603770 | 1    | Valve-Fuel             |     |          |      |                |
| 6:4  | 99-7190  | 3    | Hose-Fuel              |     |          |      |                |
| 6:5  | 99-3185  | 2    | Hose-Fuel              |     |          |      |                |
| 6:6  | 106-8720 | 1    | Hose-Fuel              |     |          |      |                |
| 6:7  | 1-303077 | 12   | Clamp                  |     |          |      |                |
| 7    | 107-2149 | 1    | Control Panel ASM      |     |          |      |                |
| 7:2  | 107-2148 | 1    | Decal-Panel, Control   |     |          |      |                |
| 9    | 1-543296 | 2    | Grommet                |     |          |      |                |
| 10   | 32122-30 | 4    | Screw-PTH              |     |          |      |                |
| 11   | 1-303435 | 4    | Washer-Spring          |     |          |      |                |
| 20   | 88-3980  | 2    | Gas Cap ASM            |     |          |      |                |
| 20:3 | 88-4010  | 1    | Gasket-Cap, Gas        |     |          |      |                |
| 21   | 1-633023 | 4    | Stud                   |     |          |      |                |
| 22   | 1-633349 | 4    | Spring-Tank, Fuel      |     |          |      |                |



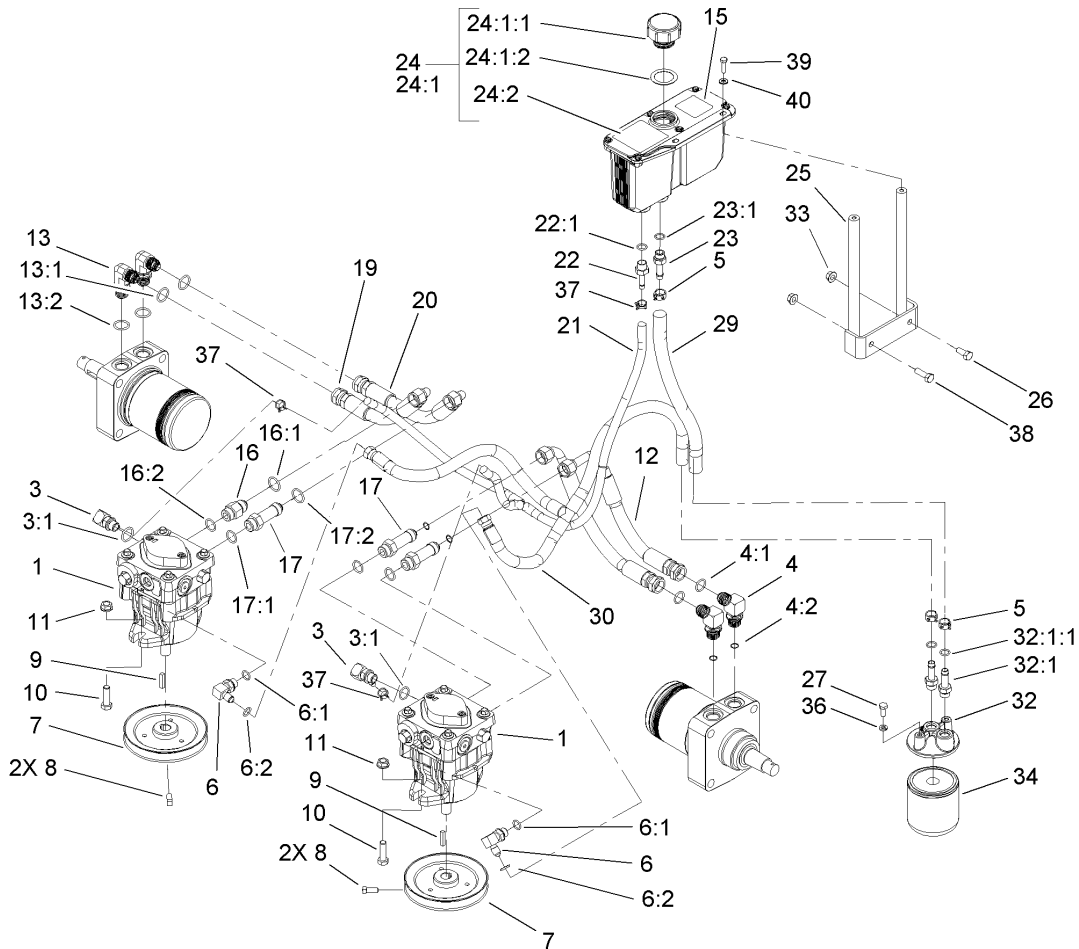
| Ref  | Part No.    | Qty. | Description          | Ref  | Part No. | Qty. | Description           |
|------|-------------|------|----------------------|------|----------|------|-----------------------|
| 1    | 103-4695    | 2    | Motor-Wheel          | 29   | 103-4335 | 1    | Brake Rod ASM         |
| ①1:1 | 1-000119    | 1    | Seal Kit             | 29:1 | 1-633131 | 2    | Yoke-Linkage, Brake   |
| ①1:2 | 1-000138    | 1    | Bearing Kit          | 29:2 | 103-3907 | 1    | Linkage-Handle, Brake |
| 2    | 103-4042    | 8    | Spacer-Motor, Wheel  | 29:3 | 3219-3   | 2    | Nut-Hex               |
| 4    | 3253-7      | 8    | Washer-Lock          | 30   | 32136-5  | 2    | Nut-Hex, Slotted      |
| 5    | 325-18      | 8    | Screw-HH             | 31   | 1-806800 | 2    | Pin-Cotter            |
| 7    | 103-0131    | 8    | Nut-Square           | 40   | 1-543396 | 2    | Wheel And Tire ASM    |
| 12   | 1-602997    | 2    | Hub W/Studs          | 41   | 242-50   | 8    | Nut-Lug               |
| 13   | 1-633102    | 2    | Bearing-Flange, Side |      |          |      |                       |
| 14   | 103-3116    | 1    | Shaft-Brake, Parking |      |          |      |                       |
| 15   | 1-653074-03 | 1    | Handle-Brake, Park   |      |          |      |                       |
| 16   | 32151-48    | 1    | E-Ring               |      |          |      |                       |
| 17   | 103-3960-03 | 1    | Brake                |      |          |      |                       |
| 18   | 32128-20    | 4    | Nut-HF               |      |          |      |                       |
| 19   | 322-6       | 1    | Screw-HH             |      |          |      |                       |
| 20   | 1-323161    | 1    | Spring-Idler         |      |          |      |                       |
| 21   | 322-9       | 1    | Screw-HH             |      |          |      |                       |
| 22   | 3290-357    | 8    | Nut-HHF              |      |          |      |                       |
| 23   | 98-5975     | 1    | Washer-Belleville    |      |          |      |                       |
| 24   | 323-4       | 5    | Screw-HH             |      |          |      |                       |
| 25   | 1-808285    | 2    | Pin-Clevis           |      |          |      |                       |
| 26   | 3272-10     | 2    | Pin-Cotter           |      |          |      |                       |
| 27   | 1-633268    | 1    | Grip-Lever, Brake    |      |          |      |                       |
| 28   | 323-6       | 4    | Screw-HH             |      |          |      |                       |



## Motion Control Assembly

| Ref  | Part No. | Qty. | Description            |
|------|----------|------|------------------------|
| 1    | 1-403180 | 2    | Screw-HH               |
| 2    | 103-4101 | 2    | Pin-Damper             |
| 3    | 3256-23  | 4    | Washer-Flat            |
| 4    | 32120-35 | 2    | E-Ring                 |
| 5    | 103-4079 | 2    | Damper-Control, Motion |
| 7    | 1-633102 | 4    | Bearing-Flange, Side   |
| 8    | 103-4774 | 1    | Control-Motion, LH     |
| 9    | 32128-20 | 12   | Nut-HF                 |
| 10   | 103-4326 | 1    | Tracking Rod ASM       |
| 10:1 | 1-543017 | 1    | Balljoint-RH           |
| 10:2 | 3219-2   | 1    | Nut-Hex                |
| 10:3 | 103-3060 | 1    | Knob-Tracking          |
| 10:4 | 1-804524 | 2    | Nut                    |
| 10:5 | 1-323245 | 2    | Spring-Compression     |
| 10:6 | 1-633152 | 1    | Balljoint-Thread, LH   |
| 10:7 | 103-3066 | 1    | Link-Rod, Tracking     |
| 11   | 3256-3   | 4    | Washer-Flat            |
| 13   | 322-6    | 4    | Screw-HH               |
| 14   | 3290-357 | 6    | Nut-HHF                |
| 15   | 103-0631 | 1    | LH Lever ASM           |
| 15:1 | 1-633257 | 1    | Grip-Control, Motion   |
| 16   | 3219-2   | 4    | Nut-Hex                |
| 19   | 323-4    | 6    | Screw-HH               |
| 20   | 103-3717 | 2    | Arm-Control            |

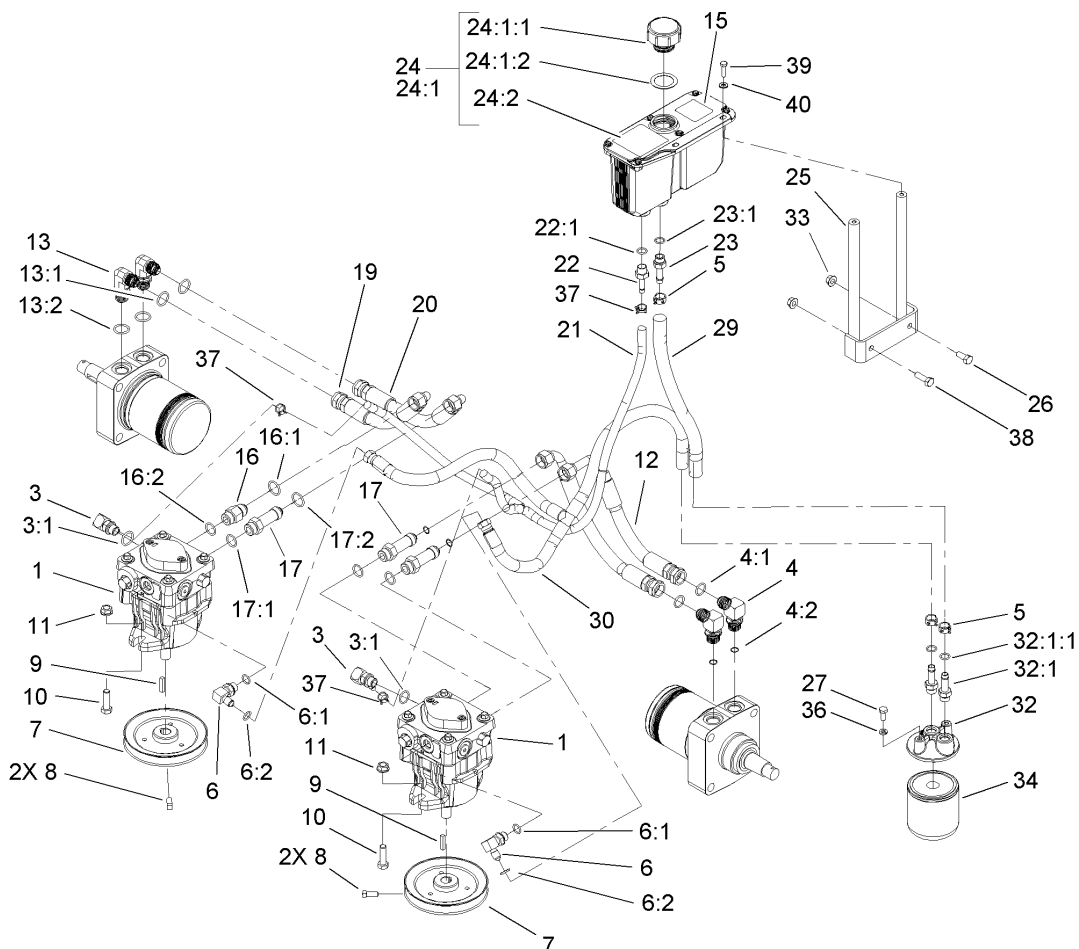
| Ref  | Part No. | Qty. | Description            |
|------|----------|------|------------------------|
| 21   | 1-803022 | 2    | Screw-Set              |
| 23   | 103-4773 | 1    | Control-Motion, RH     |
| 24   | 3296-39  | 6    | Nut-Lock, NI           |
| 25   | 103-0407 | 2    | Arm-Shaft, Control     |
| 26   | 98-5975  | 4    | Washer-Belleville      |
| 27   | 323-6    | 4    | Screw-HH               |
| 28   | 103-0632 | 1    | RH Lever ASM           |
| 28:1 | 1-633257 | 1    | Grip-Control, Motion   |
| 30   | 323-9    | 6    | Screw-HH               |
| 31   | 1-603737 | 2    | Bolt-Return, Neutral   |
| 32   | 1-603807 | 2    | Spring-Return, Neutral |
| 33   | 1-603735 | 2    | Bushing-Flanged        |
| 36   | 3256-2   | 2    | Washer-Flat            |
| 37   | 3220-2   | 2    | Nut-Jam                |
| 38   | 1-303105 | 2    | Yoke-Adjustable        |
| 39   | 1-808280 | 2    | Pin-Clevis             |
| 40   | 3272-5   | 2    | Pin-Cotter             |
| 41   | 103-4327 | 1    | Tracking ASM           |
| 41:1 | 1-543017 | 1    | Balljoint-RH           |
| 41:2 | 1-633152 | 1    | Balljoint-Thread, LH   |
| 41:3 | 1-804524 | 1    | Nut                    |
| 41:4 | 103-3066 | 1    | Link-Rod, Tracking     |
| 41:5 | 3219-2   | 3    | Nut-Hex                |



## Hydraulic System Assembly

| Ref  | Part No. | Qty. | Description           |
|------|----------|------|-----------------------|
| 1    | 103-4040 | 2    | Pump-HYD              |
| 3    | 103-1799 | 2    | Elbow-90 DEG          |
| 3:1  | 237-42   | 1    | O-Ring                |
| 4    | 103-2153 | 2    | Fitting-90 DEG        |
| 4:1  | 1-603920 | 1    | O-Ring                |
| 4:2  | 1-603992 | 1    | O-Ring                |
| 5    | 103-1988 | 3    | Clamp-Hose            |
| 6    | 103-1802 | 2    | Fitting-HYD, 90 DEG   |
| 6:1  | 1-603921 | 1    | O-Ring                |
| 6:2  | 237-42   | 1    | O-Ring                |
| 7    | 1-653156 | 2    | Pulley                |
| 8    | 1-803050 | 2    | Screw-Set             |
| 9    | 1-807272 | 2    | Key                   |
| 10   | 323-7    | 4    | Screw-HH              |
| 11   | 3290-357 | 5    | Nut-HHF               |
| 12   | 103-4022 | 1    | Hose-Rear, LH         |
| 13   | 103-4797 | 2    | Elbow-90 DEG          |
| 13:1 | 1-603920 | 1    | O-Ring                |
| 13:2 | 1-603992 | 1    | O-Ring                |
| 15   | 103-2644 | 1    | Decal-Exhaust         |
| 16   | 103-4020 | 1    | Adapter-Straight      |
| 16:1 | 1-603920 | 1    | O-Ring                |
| 16:2 | 1-603992 | 1    | O-Ring                |
| 17   | 103-1940 | 3    | Adapter-HYD, Straight |

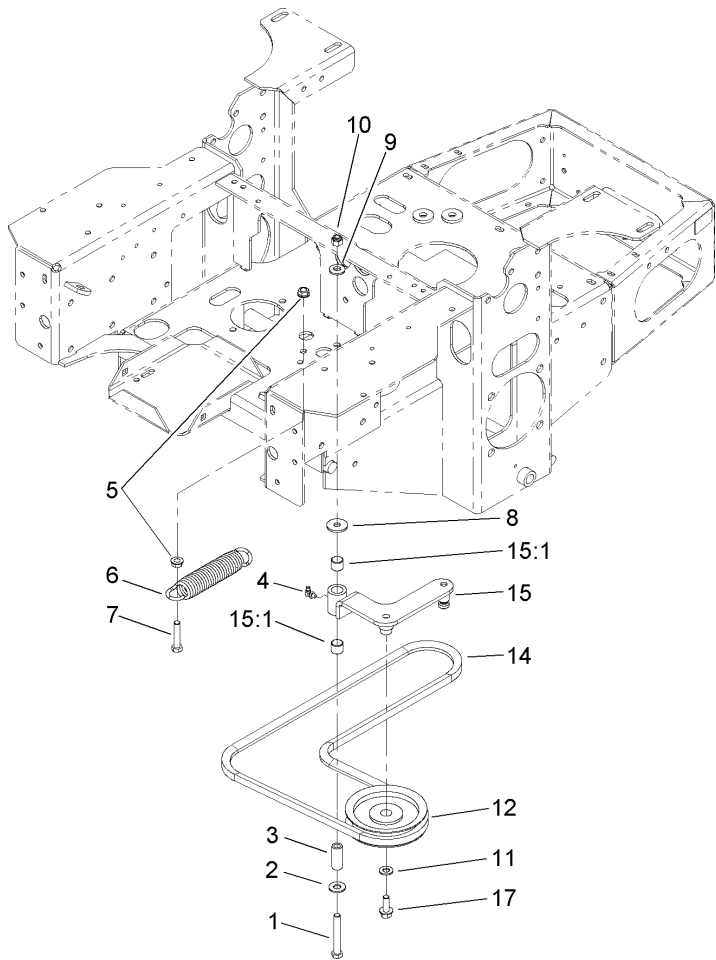
| Ref    | Part No.    | Qty. | Description        |
|--------|-------------|------|--------------------|
| 17:1   | 237-79      | 1    | O-Ring             |
| 17:2   | 1-603992    | 1    | O-Ring             |
| 19     | 103-4021    | 1    | Hose-Rear, RH      |
| 20     | 1-653187    | 2    | Hose-Rear, RH      |
| 21     | 103-2357    | 1    | HYD Hose ASM       |
| 22     | 103-1801    | 1    | Adapter-Straight   |
| 22:1   | 237-42      | 1    | O-Ring             |
| 23     | 103-1912    | 1    | Adapter-Straight   |
| 23:1   | 237-42      | 1    | O-Ring             |
| 24     | 103-1947    | 1    | HYD Reservoir ASM  |
| 24:1   |             | 1    | Reservoir-HYD      |
| 24:1:1 | 103-1948    | 1    | Cap-Reservoir, HYD |
| 24:1:2 | 103-1949    | 1    | Gasket-Cap         |
| 24:2   | 1-523552    | 1    | Decal-Tank, HYD    |
| 25     | 103-3071-03 | 1    | Stand-Reservoir    |
| 26     | 322-3       | 1    | Screw-HH           |
| 27     | 321-3       | 2    | Screw-HH           |
| 29     | 103-3077    | 1    | HYD Hose ASM       |
| 30     | 103-2930    | 1    | HYD Hose ASM       |
| 32     | 103-2889    | 1    | Filter Head ASM    |
| 32:1   | 103-1912    | 2    | Adapter-Straight   |
| 32:1:1 | 237-42      | 1    | O-Ring             |
| 33     | 32128-20    | 2    | Nut-HF             |
| 34     | 1-633752    | 1    | Filter-HYD, Winter |



## Hydraulic System Assembly (continued)

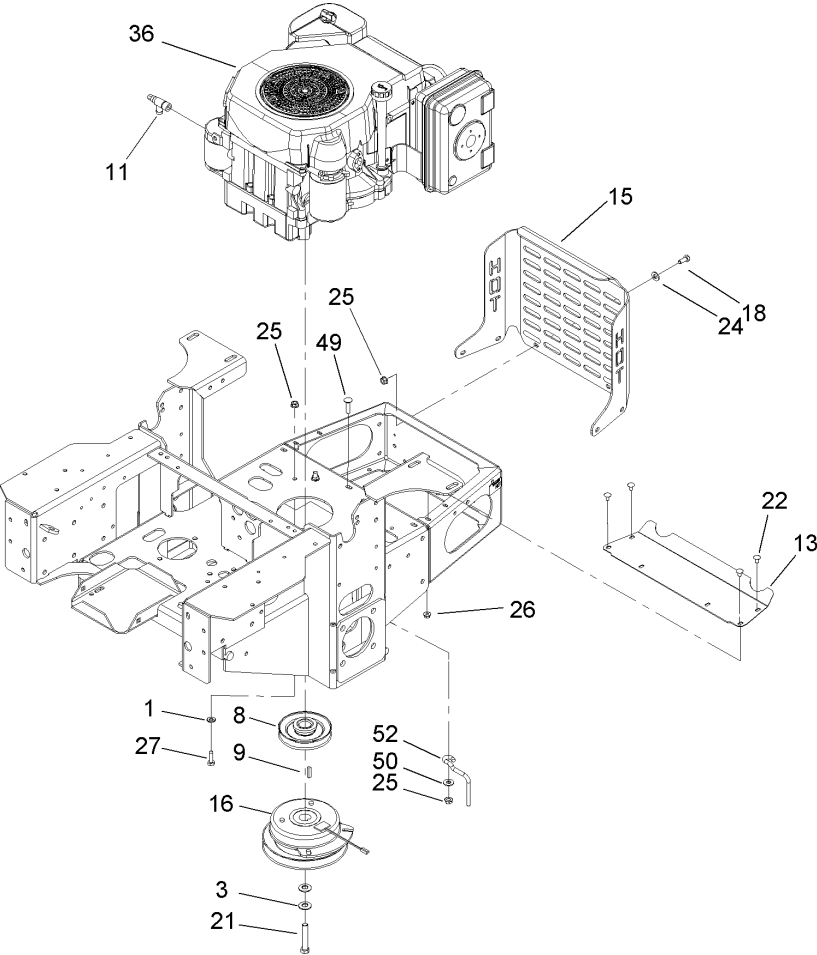
| Ref | Part No. | Qty. | Description |
|-----|----------|------|-------------|
| 34  | 1-633750 | 1    | Filter-HYD  |
| 36  | 1-805004 | 2    | Washer-Lock |
| 37  | 103-1716 | 3    | Clamp-Hose  |
| 38  | 322-5    | 1    | Screw-HH    |
| 39  | 321-6    | 2    | Screw-HH    |
| 40  | 3256-22  | 2    | Washer-Flat |

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



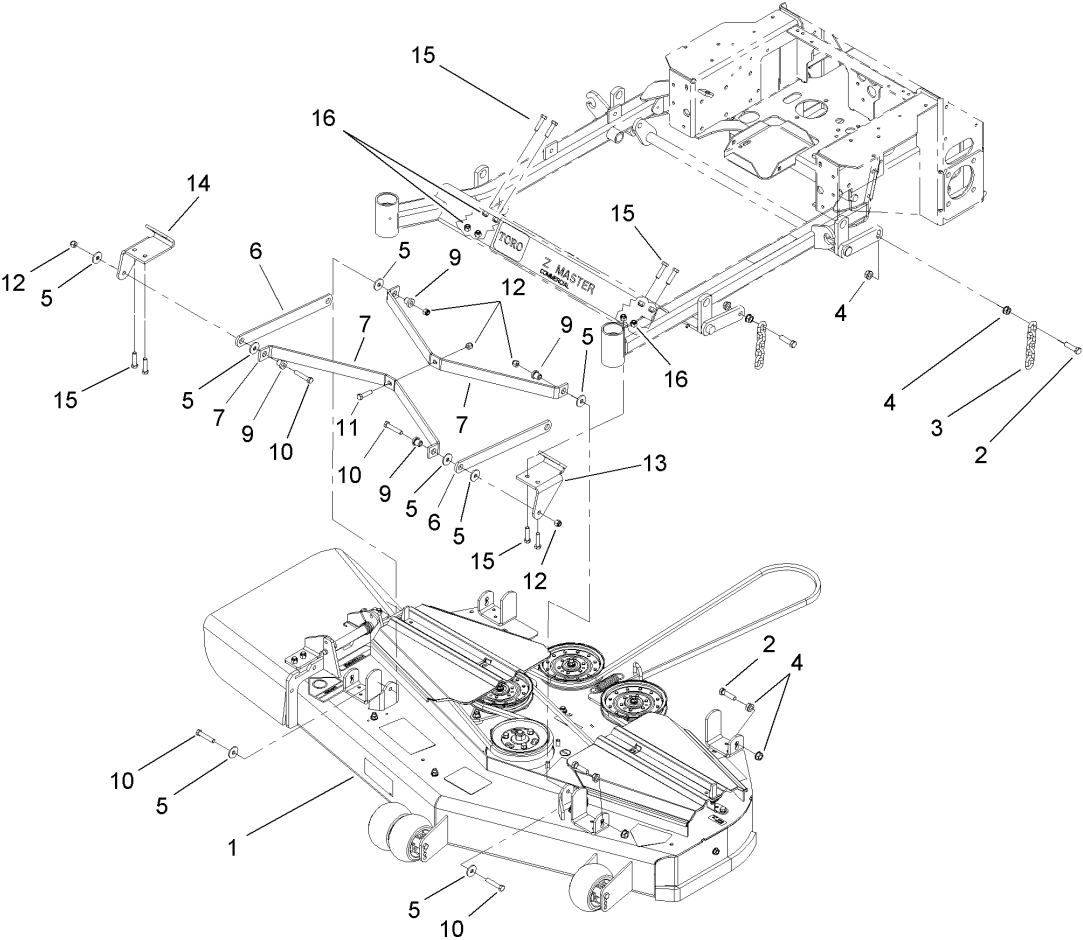
**Pump Idler and Belt Assembly**

| Ref  | Part No. | Qty. | Description       |  |  |  |  |
|------|----------|------|-------------------|--|--|--|--|
| 1    | 323-13   | 1    | Screw-HH          |  |  |  |  |
| 2    | 3256-4   | 1    | Washer-Flat       |  |  |  |  |
| 3    | 1-603044 | 1    | Bushing           |  |  |  |  |
| 4    | 302-40   | 1    | Fitting-Grease    |  |  |  |  |
| 5    | 3290-357 | 2    | Nut-HHF           |  |  |  |  |
| 6    | 103-4480 | 1    | Spring-Extension  |  |  |  |  |
| 7    | 323-9    | 1    | Screw-HH          |  |  |  |  |
| 8    | 63-8410  | 1    | Washer            |  |  |  |  |
| 9    | 98-5975  | 1    | Washer-Belleville |  |  |  |  |
| 10   | 3296-39  | 1    | Nut-Lock, NI      |  |  |  |  |
| 11   | 3256-24  | 1    | Washer-Flat       |  |  |  |  |
| 12   | 1-603843 | 1    | Pulley-Idler      |  |  |  |  |
| 14   | 107-3959 | 1    | Belt-Cog          |  |  |  |  |
| 15   | 103-4482 | 1    | Idler Arm ASM     |  |  |  |  |
| 15:1 | 103-4681 | 2    | Sleeve-Bearing    |  |  |  |  |
| 17   | 3234-11  | 1    | Screw-HHF         |  |  |  |  |



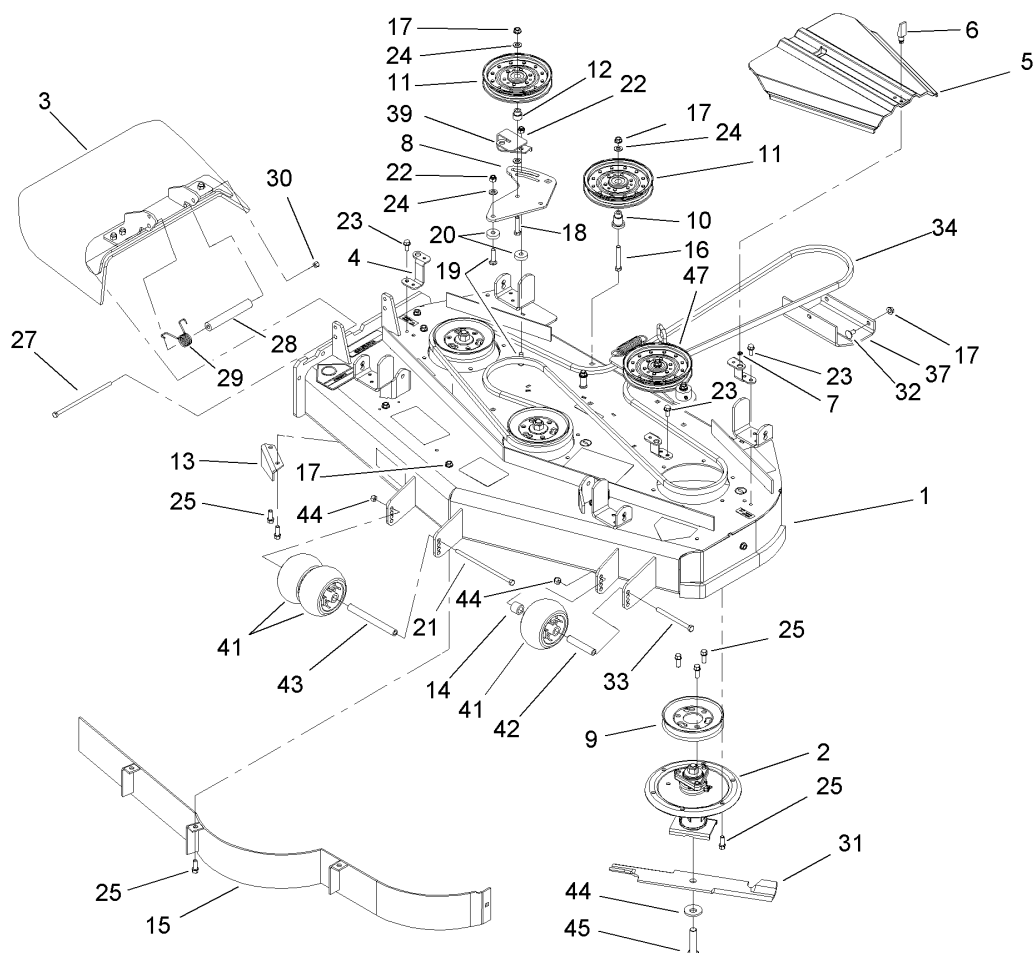
# Engine, Clutch and Muffler Assembly

| Ref | Part No.    | Qty. | Description                 |  |  |  |  |
|-----|-------------|------|-----------------------------|--|--|--|--|
| 1   | 1-303334    | 4    | Washer-Spring               |  |  |  |  |
| 3   | 1-603610    | 2    | Washer-Spring               |  |  |  |  |
| 8   | 1-653035    | 1    | Pulley                      |  |  |  |  |
| 9   | 1-807259    | 1    | Key                         |  |  |  |  |
| 11  | 103-1965    | 1    | Valve-Drain, Oil            |  |  |  |  |
| 13  | 103-2740-03 | 1    | Deflector-Short             |  |  |  |  |
| 15  | 103-4048-03 | 1    | Bumper-Rear                 |  |  |  |  |
| 16  | 104-3624    | 1    | Clutch                      |  |  |  |  |
| 18  | 322-3       | 6    | Screw-HH                    |  |  |  |  |
| 21  | 3212-10     | 1    | Screw-HH                    |  |  |  |  |
| 22  | 3229-10     | 4    | Screw-CARR                  |  |  |  |  |
| 24  | 3256-24     | 6    | Washer-Flat                 |  |  |  |  |
| 25  | 32128-20    | 7    | Nut-HF                      |  |  |  |  |
| 26  | 32128-33    | 4    | Nut-HF                      |  |  |  |  |
| 27  | 33114-025   | 4    | Screw-HH                    |  |  |  |  |
| 36  |             | 1    | Engine-Kohler, Cv493S-27528 |  |  |  |  |
| 49  | 3230-3      | 1    | Screw-CARR                  |  |  |  |  |
| 50  | 3256-3      | 1    | Washer-Flat                 |  |  |  |  |
| 52  | 108-1058    | 1    | Rod-Belt                    |  |  |  |  |



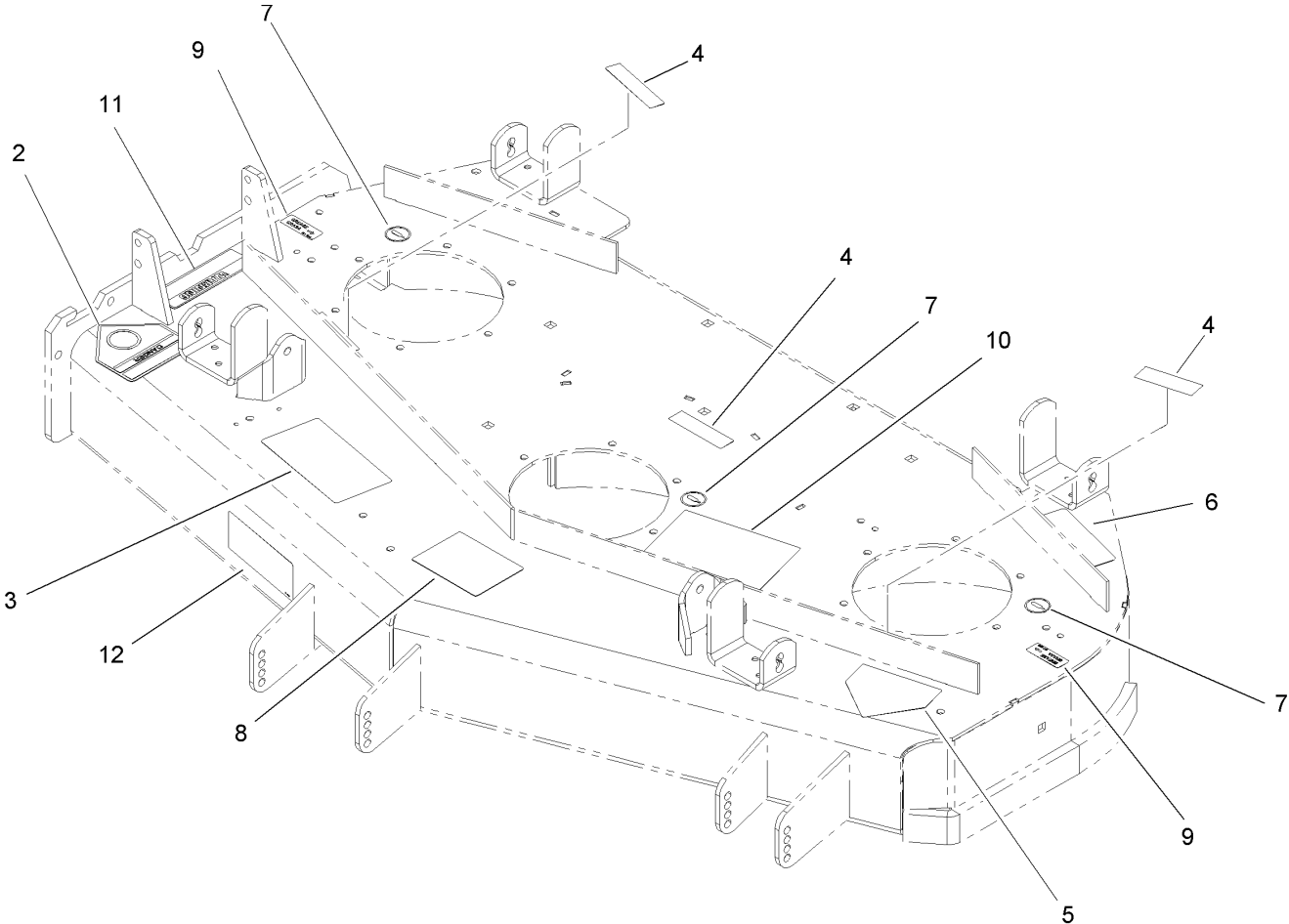
Deck Mounting Assembly

| Ref | Part No.    | Qty. | Description      |  |  |  |  |
|-----|-------------|------|------------------|--|--|--|--|
| 1   | 107-1667    | 1    | Deck ASM         |  |  |  |  |
| 2   | 103-1898    | 8    | Screw-HH         |  |  |  |  |
| 3   | 1-633447    | 4    | Chain-Lift, Deck |  |  |  |  |
| 4   | 32128-37    | 16   | Nut-HF           |  |  |  |  |
| 5   | 63-8410     | 8    | Washer           |  |  |  |  |
| 6   | 107-1698-01 | 2    | Strut-Flat       |  |  |  |  |
| 7   | 108-2168-01 | 2    | Brace-Cross      |  |  |  |  |
| 9   | 65-5950     | 4    | Bushing-Pulley   |  |  |  |  |
| 10  | 323-10      | 4    | Screw-HH         |  |  |  |  |
| 11  | 323-8       | 1    | Screw-HH         |  |  |  |  |
| 12  | 3296-39     | 6    | Nut-Lock, NI     |  |  |  |  |
| 13  | 108-2164-01 | 1    | Plate-Pull, LH   |  |  |  |  |
| 14  | 108-2165-01 | 1    | Plate-Pull, RH   |  |  |  |  |
| 15  | 323-6       | 8    | Screw-HH         |  |  |  |  |
| 16  | 3290-357    | 8    | Nut-HHF          |  |  |  |  |



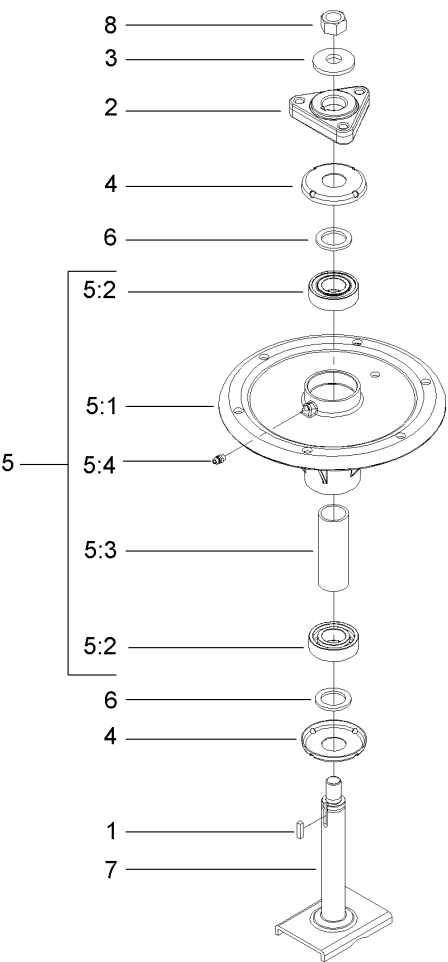
## Deck Assembly No. 107-1667

| Ref | Part No.    | Qty. | Description          | Ref | Part No.    | Qty. | Description                    |
|-----|-------------|------|----------------------|-----|-------------|------|--------------------------------|
| 1   | 107-1666    | 1    | Deck Decal ASM       | 25  | 92-1624     | 32   | Screw                          |
| 2   | 107-8504    | 3    | Spindle ASM          | 27  | 322-50      | 2    | Screw-HH                       |
| 3   | 108-2792    | 1    | Rubber Deflector ASM | 28  | 105-4622    | 1    | Spacer                         |
| 4   | 108-2177-01 | 3    | Bracket-Cover, Tall  | 29  | 108-4052    | 1    | Spring-Torsion                 |
| 5   | 107-8536    | 2    | Cover-Belt           | 30  | 3296-29     | 1    | Nut-Lock, NI                   |
| 6   | 74-5950     | 2    | Latch-Swell          | 31  | 107-3192-03 | 3    | Blade-Rotary, 16.5In High Flow |
| 7   | 99-3058     | 2    | Washer               | 32  | 3231-1      | 7    | Screw-CARR                     |
| 8   | 107-8516-01 | 1    | Plate-Idler          | 33  | 323-23      | 1    | Screw-HH                       |
| 9   | 107-1684    | 3    | Pulley               | 34  | 106-7369    | 1    | Belt-V                         |
| 10  | 106-3214    | 1    | Mount-Pulley         | 37  | 107-3166-01 | 1    | Skid                           |
| 11  | 1-633109    | 2    | Idler-Flat           | 39  | 108-2228-01 | 1    | Bracket-Cover                  |
| 12  | 1-603496    | 1    | Bushing-Idler        | 41  | 1-603299    | 3    | Roller-Scalp, Anti             |
| 13  | 107-8541-01 | 1    | Baffle-Discharge     | 42  | 98-7912     | 1    | Tube-Spanner                   |
| 14  | 98-7913     | 1    | Tube-Spacer          | 43  | 98-5967     | 1    | Spacer-Wheel                   |
| 15  | 108-2187-01 | 1    | Baffle ASM           | 44  | 103-0865    | 3    | Washer-Blade Bolt, Heavy       |
| 16  | 323-12      | 1    | Screw-HH             | 45  | 103-0862    | 3    | Screw-Cap                      |
| 17  | 3290-357    | 32   | Nut-HHF              | 47  |             | 1    | Spring Idler ASM               |
| 18  | 323-9       | 1    | Screw-HH             | 99  | 107-3196-03 | 3    | Blade-Rotary, 16.5In Recycling |
| 19  | 3231-4      | 2    | Screw-CARR           | 99  | 107-3194-03 | 3    | Blade-Rotary, 16.5In Med Flow  |
| 20  | 105-7788    | 2    | Spacer               | 99  | 107-3195-03 | 3    | Blade-Rotary, 16.5In Atomic    |
| 21  | 323-28      | 1    | Screw-HH             | 99  | 107-3193-03 | 3    | Blade-Rotary, 16.5In Low Flow  |
| 22  | 3296-39     | 4    | Nut-Lock, NI         |     |             |      |                                |
| 23  | 32144-70    | 3    | Screw-HH             |     |             |      |                                |
| 24  | 3256-24     | 4    | Washer-Flat          |     |             |      |                                |



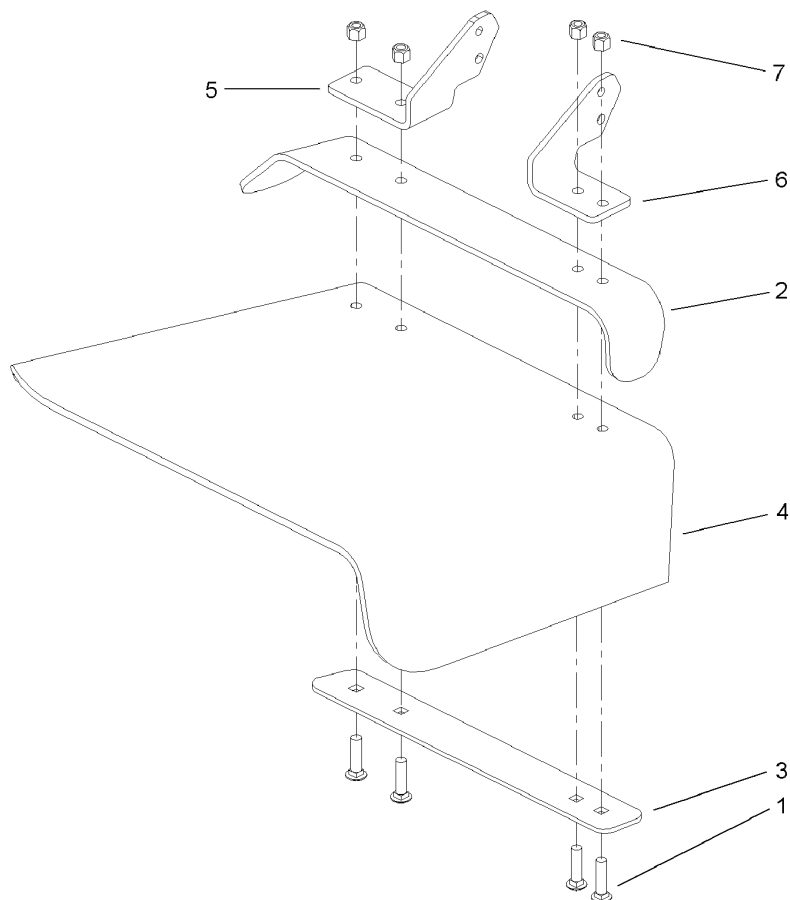
**Deck Decal Assembly No. 107-1666**

| Ref | Part No. | Qty. | Description          |  |  |  |  |
|-----|----------|------|----------------------|--|--|--|--|
| 2   | 54-9220  | 1    | Decal-Danger         |  |  |  |  |
| 3   | 66-1340  | 1    | Decal-Danger         |  |  |  |  |
| 4   | 98-5954  | 3    | Decal-Missing, Cover |  |  |  |  |
| 5   | 1-403005 | 1    | Decal-Danger         |  |  |  |  |
| 6   | 68-8340  | 1    | Decal-Torque         |  |  |  |  |
| 7   | 58-6520  | 3    | Decal-Grease         |  |  |  |  |
| 8   | 105-7798 | 1    | Decal-Scalp, Anti    |  |  |  |  |
| 9   | 107-1613 | 3    | Decal-Grease         |  |  |  |  |
| 10  | 107-1687 | 1    | Decal-Aid, Service   |  |  |  |  |
| 11  | 104-8569 | 1    | Decal-Warning        |  |  |  |  |
| 12  | 107-1695 | 1    | Decal                |  |  |  |  |



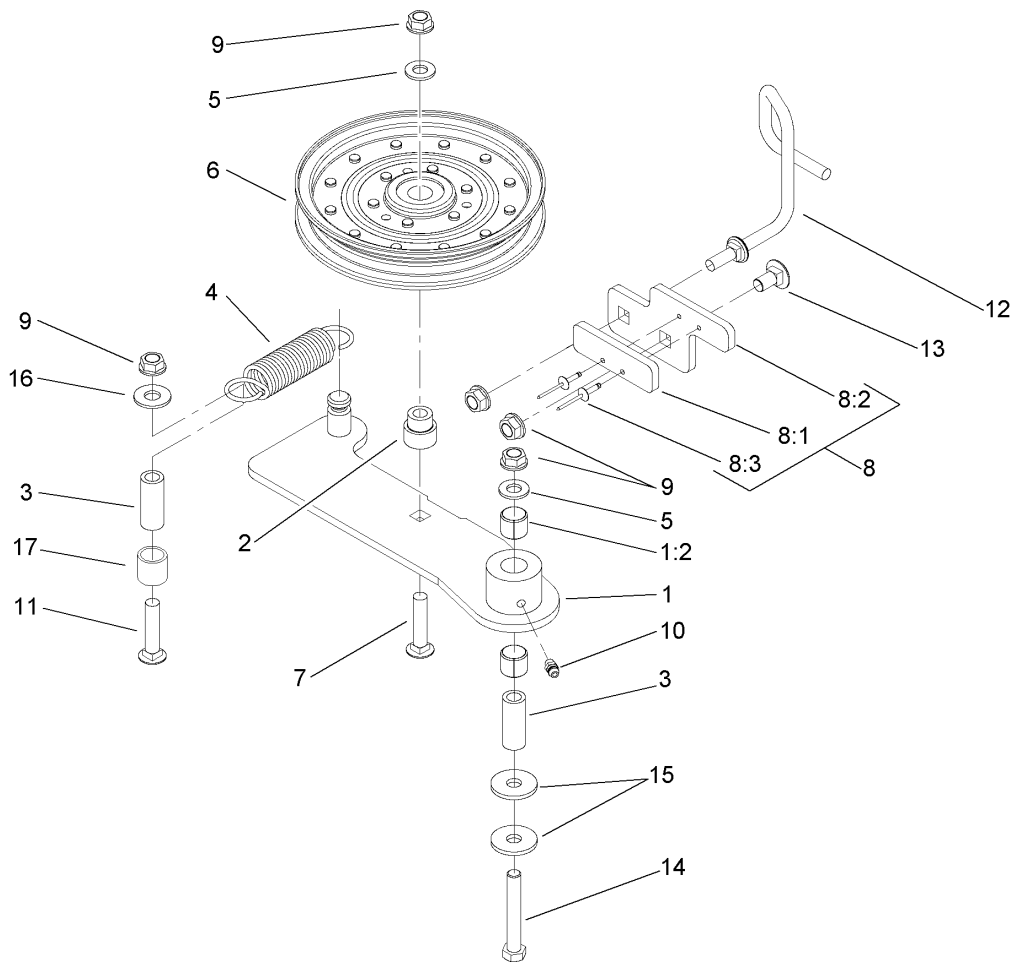
Spindle Assembly No. 107-8504

| Ref | Part No. | 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                  |  |  |  |  |



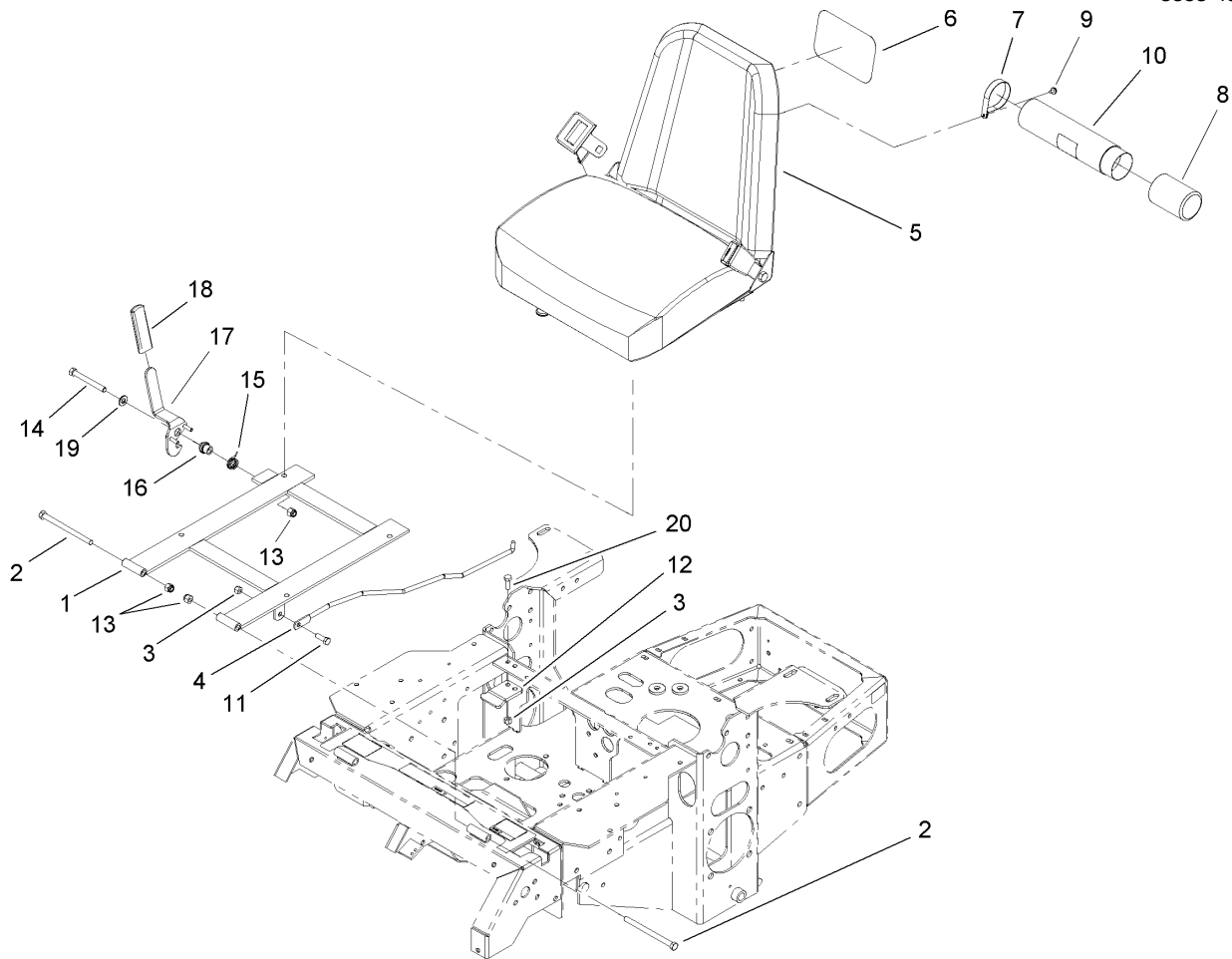
## Rubber Deflector Assembly No. 108-2792

| 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   | 108-5029    | 1    | Deflector-Rubber   |  |  |  |  |
| 5   | 108-4059-01 | 1    | Plate-Hinge, Rear  |  |  |  |  |
| 6   | 106-3253-01 | 1    | Plate-Hinge, Front |  |  |  |  |
| 7   | 3296-39     | 4    | Nut-Lock, NI       |  |  |  |  |



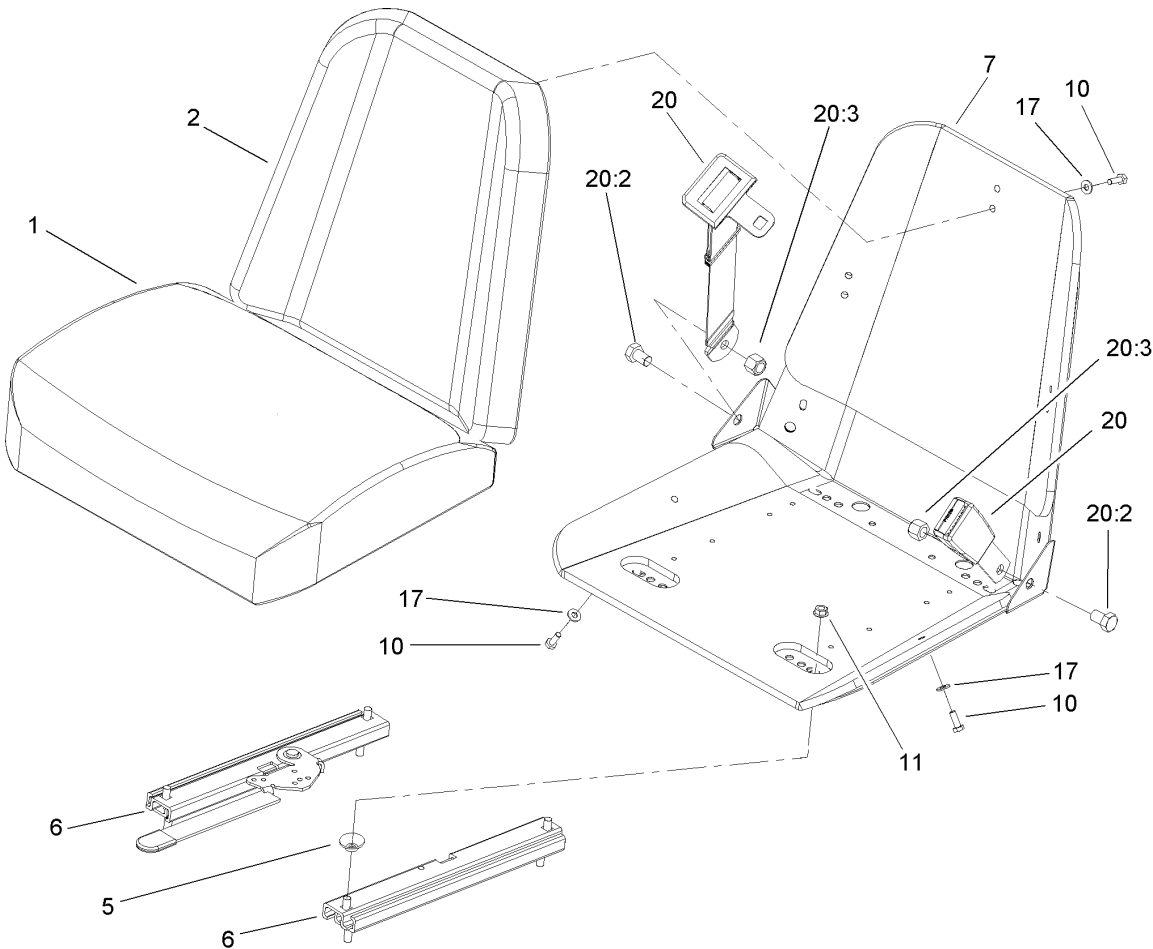
Idler Assembly

| Ref | Part No.    | Qty. | Description      |  |  |  |  |
|-----|-------------|------|------------------|--|--|--|--|
| 1   | 108-4062    | 1    | Idler Arm ASM    |  |  |  |  |
| 1:2 | 103-4681    | 2    | Sleeve-Bearing   |  |  |  |  |
| 2   | 1-603496    | 1    | Bushing-Idler    |  |  |  |  |
| 3   | 1-603044    | 2    | Bushing          |  |  |  |  |
| 4   | 108-4056    | 1    | Spring-Extension |  |  |  |  |
| 5   | 3256-24     | 2    | Washer-Flat      |  |  |  |  |
| 6   | 1-633109    | 1    | Idler-Flat       |  |  |  |  |
| 7   | 3231-6      | 1    | Screw-CARR       |  |  |  |  |
| 8   |             | 1    | Stop Pad ASM     |  |  |  |  |
| 8:1 | 106-3229    | 1    | Pad-Bumper       |  |  |  |  |
| 8:2 | 107-1697-01 | 1    | Plate-Stop       |  |  |  |  |
| 8:3 | 3269-24     | 2    | Rivet            |  |  |  |  |
| 9   | 3290-357    | 5    | Nut-HHF          |  |  |  |  |
| 10  | 302-5       | 1    | Fitting-Grease   |  |  |  |  |
| 11  | 3231-31     | 1    | Screw-CARR       |  |  |  |  |
| 12  | 108-4072    | 1    | Guide-Belt       |  |  |  |  |
| 13  | 3231-1      | 1    | Screw-CARR       |  |  |  |  |
| 14  | 323-12      | 1    | Screw-HH         |  |  |  |  |
| 15  | 2844        | 2    | Washer           |  |  |  |  |
| 16  | 3256-4      | 1    | Washer-Flat      |  |  |  |  |
| 17  | 108-4063    | 1    | Spacer-Rubber    |  |  |  |  |



**Seat and Bracket Assembly**

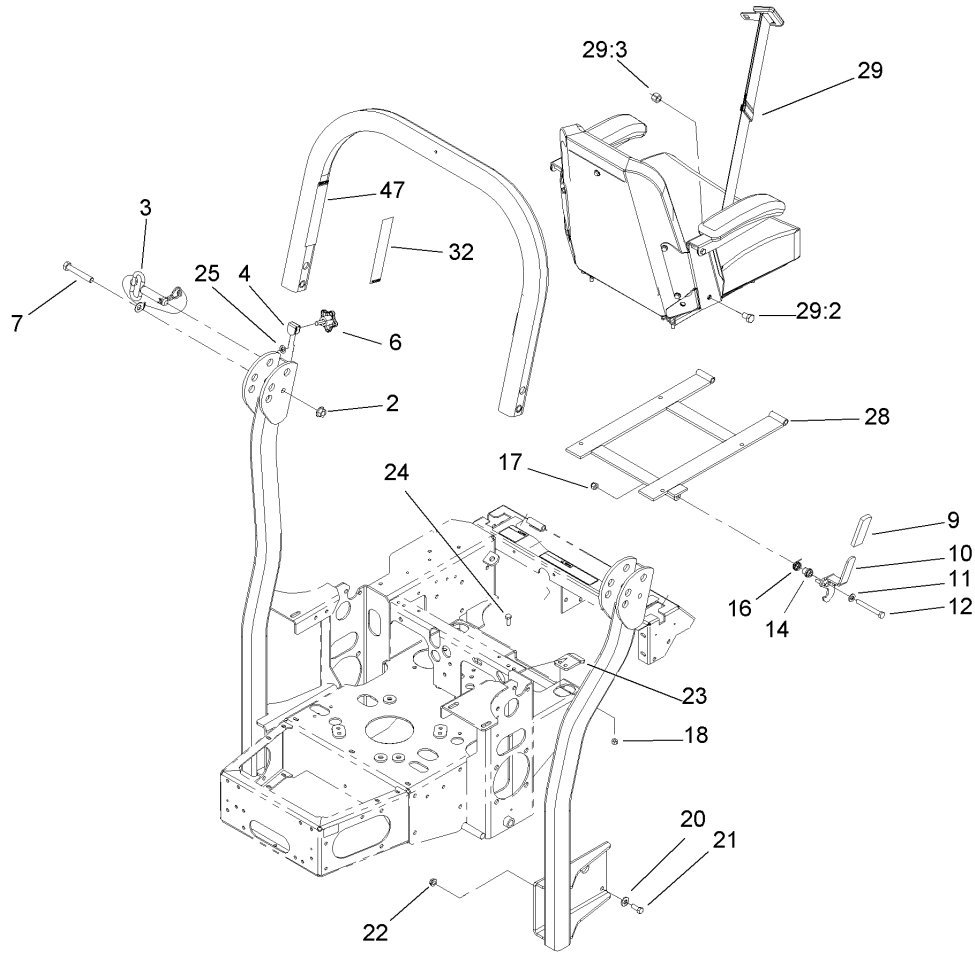
| Ref | Part No.    | Qty. | Description            |  |  |  |  |
|-----|-------------|------|------------------------|--|--|--|--|
| 1   | 107-3052-03 | 1    | Seat Support Frame ASM |  |  |  |  |
| 2   | 323-39      | 2    | Screw-HH               |  |  |  |  |
| 3   | 3296-29     | 3    | Nut-Lock, NI           |  |  |  |  |
| 4   | 103-1731    | 1    | Rod-Retainer, Seat     |  |  |  |  |
| 5   | 107-2116    | 1    | Seat ASM               |  |  |  |  |
| 6   | 99-4693     | 1    | Decal                  |  |  |  |  |
| 7   | 2412-120    | 2    | R-Clamp                |  |  |  |  |
| 8   | 104-7048    | 1    | Cap-Housing            |  |  |  |  |
| 9   | 32104-76    | 2    | Screw                  |  |  |  |  |
| 10  | 104-7050    | 1    | Housing-Manual         |  |  |  |  |
| 11  | 322-5       | 1    | Screw-HH               |  |  |  |  |
| 12  | 103-5961    | 1    | Catch-Latch, Seat      |  |  |  |  |
| 13  | 3296-39     | 3    | Nut-Lock, NI           |  |  |  |  |
| 14  | 323-20      | 1    | Screw-HH               |  |  |  |  |
| 15  | 107-0076    | 1    | Spring-Torsion         |  |  |  |  |
| 16  | 107-0075    | 1    | Bushing-Latch, Seat    |  |  |  |  |
| 17  | 107-3083    | 1    | Latch ASM              |  |  |  |  |
| 18  | 62-9130     | 1    | Grip-Handle            |  |  |  |  |
| 19  | 3256-24     | 1    | Washer-Flat            |  |  |  |  |
| 20  | 322-4       | 2    | Screw-HH               |  |  |  |  |



**Seat Assembly No. 107-2116**

| Ref  | Part No. | Qty. | Description          |  |  |  |  |
|------|----------|------|----------------------|--|--|--|--|
| 1    | 103-0290 | 1    | Cushion-Seat, Bottom |  |  |  |  |
| 2    | 104-7754 | 1    | Cushion-Seat, Back   |  |  |  |  |
| 5    | 1-543401 | 4    | Spacer-Track         |  |  |  |  |
| 6    | 1-643255 | 1    | Track-Seat           |  |  |  |  |
| 7    | 1-633859 | 1    | Frame-Seat           |  |  |  |  |
| 10   | 321-4    | 5    | Screw-HH             |  |  |  |  |
| 11   | 32128-20 | 4    | Nut-HF               |  |  |  |  |
| 17   | 3256-22  | 5    | Washer-Flat          |  |  |  |  |
| 20   | 103-4469 | 1    | Seatbelt Kit         |  |  |  |  |
| 20:2 | 3212-4   | 2    | Screw-HH             |  |  |  |  |
| 20:3 | 3296-38  | 2    | Nut-Lock NI          |  |  |  |  |

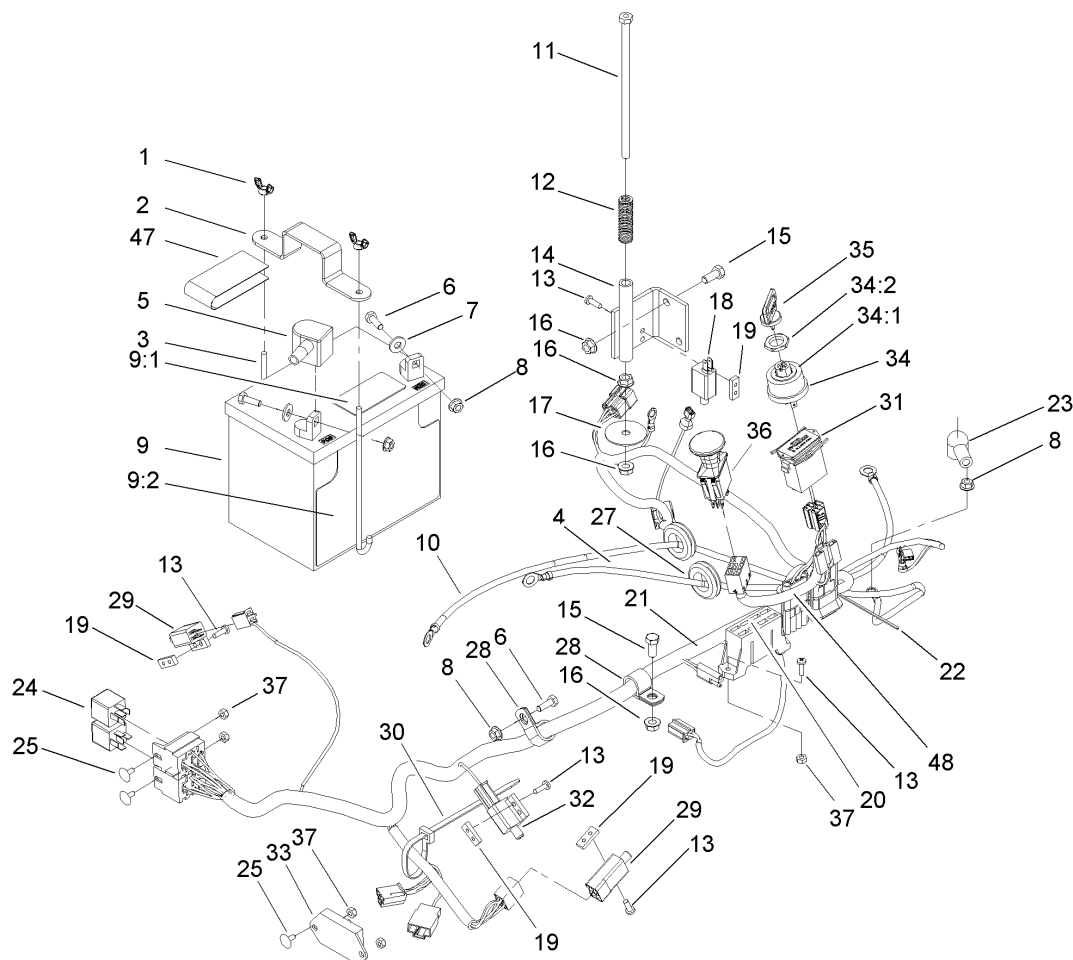




# Roll-Over-Protection System Assembly No. 107-8093

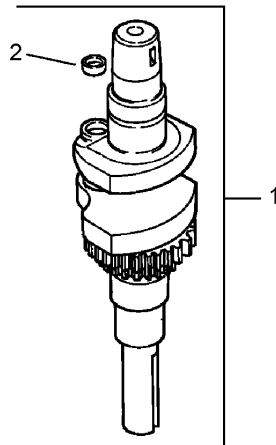
| Ref  | Part No.    | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 2    | 32128-23    | 2    | Nut-HF                      |
| 3    | 103-4553    | 2    | ROPS Fold Pin ASM           |
| 4    | 107-3124    | 2    | Clip                        |
| 6    | 106-0887    | 2    | Knob                        |
| 7    | 325-13      | 2    | Screw-HH                    |
| 9    | 62-9130     | 1    | Grip-Handle                 |
| 10   | 107-3083    | 1    | Latch ASM                   |
| 11   | 3256-24     | 1    | Washer-Flat                 |
| 12   | 323-20      | 1    | Screw-HH                    |
| 14   | 107-0075    | 1    | Bushing-Latch, Seat         |
| 16   | 107-0076    | 1    | Spring-Torsion              |
| 17   | 3296-39     | 1    | Nut-Lock, NI                |
| 18   | 3296-29     | 2    | Nut-Lock, NI                |
| 20   | 98-5975     | 8    | Washer-Belleville           |
| 21   | 323-6       | 8    | Screw-HH                    |
| 22   | 3290-357    | 8    | Nut-HHF                     |
| 23   | 107-3059    | 1    | Catch-Latch, Seat           |
| 24   | 322-4       | 2    | Screw-HH                    |
| 25   | 107-3154    | 2    | Nut-Push                    |
| 28   | 107-3052-03 | 1    | Seat Support Frame ASM      |
| 29   | 103-4469    | 1    | Seatbelt Kit                |
| 29:2 | 3212-4      | 2    | Screw-HH                    |
| 29:3 | 3296-38     | 2    | Nut-Lock NI                 |
| 32   | 107-3069    | 1    | Decal-Warning, Folding ROPS |

| Ref | Part No. | Qty. | Description                 |
|-----|----------|------|-----------------------------|
| 47  | 107-2102 | 1    | Decal-Warning, Folding ROPS |



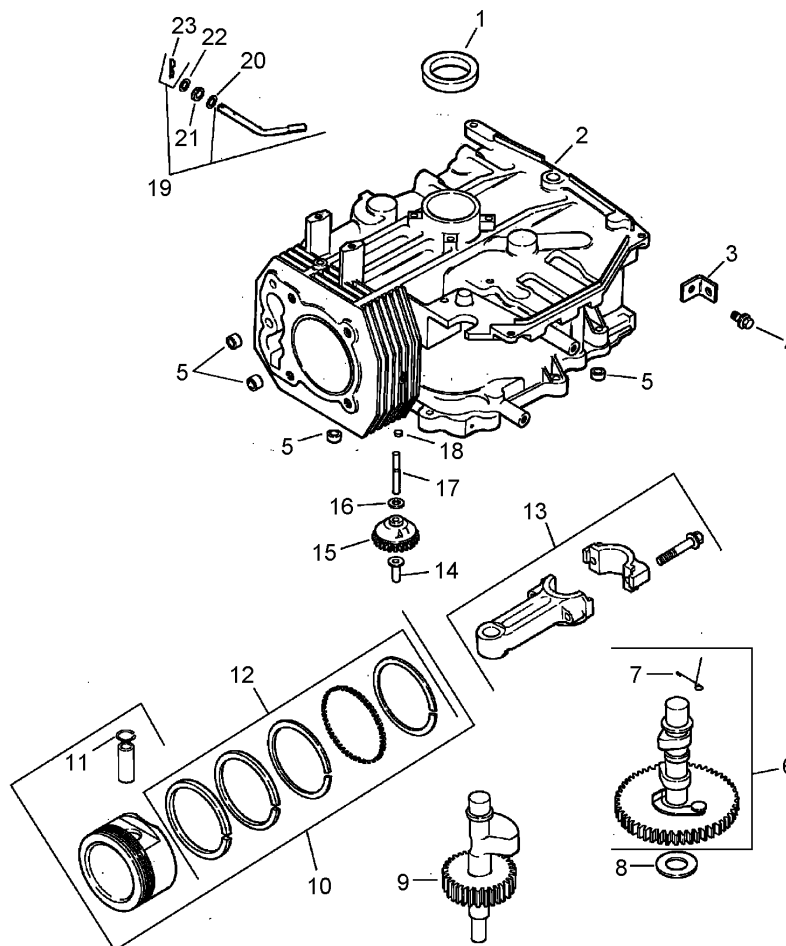
## Electrical System Assembly

| Ref | Part No.    | Qty. | Description             | Ref  | Part No. | Qty. | Description                       |
|-----|-------------|------|-------------------------|------|----------|------|-----------------------------------|
| 1   | 1-543792    | 2    | Wingnut                 | 23   | 1-543393 | 1    | Insulator-Solenoid                |
| 2   | 1-633652-03 | 1    | Strap-Holddown          | 24   | 1-643275 | 2    | Relay                             |
| 3   | 1-633651    | 2    | Bolt-Holddown           | 25   | 1-807513 | 4    | Bolt-CARR                         |
| 4   | 1-543767    | 1    | Wire-Ground             | 27   | 1-543286 | 3    | Grommet                           |
| 5   | 1-543391    | 1    | Insulator-Battery       | 28   | 1-633396 | 2    | Clip-Loom                         |
| 6   | 321-4       | 3    | Screw-HH                | 29   | 1-513051 | 2    | Switch-Open, Normally             |
| 7   | 3256-2      | 2    | Washer-Flat             | 30   | 1-303335 | 4    | Tie-Plastic                       |
| 8   | 32128-33    | 3    | Nut-HF                  | 31   | 1-513374 | 1    | Meter-Hour                        |
| 9   | 105-1692    | 1    | Battery                 | 32   | 1-633111 | 1    | Switch                            |
| 9:1 | 104-4163    | 1    | Decal-Battery           | 33   | 100-6186 | 1    | Module-Delay, Seat                |
| 9:2 | 104-4164    | 1    | Decal-Battery           | 34   | 88-9830  | 1    | Key Switch ASM                    |
| 10  | 1-523281    | 1    | Wire-Starter            | 34:1 | 3254-5   | 1    | Washer-Tooth                      |
| 11  | 1-800282    | 1    | Screw-HH                | 34:2 | 218-461  | 1    | Nut-HH                            |
| 12  | 1-523415    | 1    | Spring-Switch, Seat     | 35   | 63-8360  | 2    | Key-Ignition                      |
| 13  | 1-803075    | 10   | Screw-Head, Truss       | 36   | 1-633673 | 1    | Switch-Delta                      |
| 14  | 1-652072-03 | 1    | Bracket-Switch, Seat    | 37   | 3296-2   | 6    | Nut-Lock                          |
| 15  | 322-3       | 3    | Screw-HH                | 47   | 107-9309 | 1    | Decal-Instructions, Charging      |
| 16  | 32128-20    | 5    | Nut-HF                  | 48   | 107-8054 | 1    | Harness-Electrical, Control Panel |
| 17  | 1-653036    | 1    | Washer                  |      |          |      |                                   |
| 18  | 1-513152    | 1    | Switch-Closed, Normally |      |          |      |                                   |
| 19  | 1-633181    | 4    | Plate-Tapped            |      |          |      |                                   |
| 20  | 1-816001    | 2    | Fuse-Blade Type, 20 Amp |      |          |      |                                   |
| 21  | 107-8053    | 1    | Harness-Electrical      |      |          |      |                                   |
| 22  | 1-303287    | 3    | Tie-Plastic             |      |          |      |                                   |



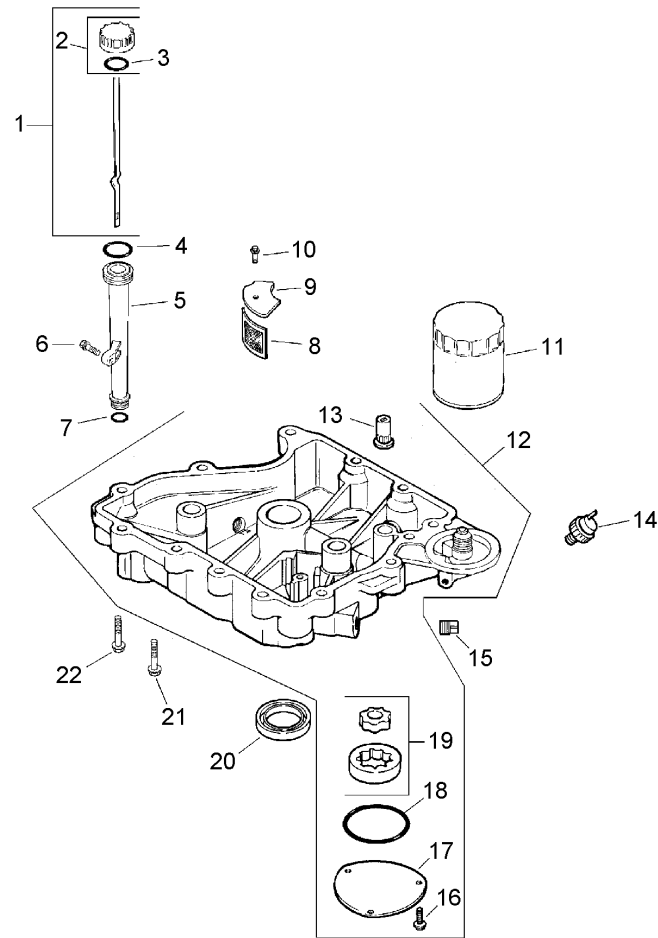
## Crankshaft Assembly Kohler CV493S 27528

| Ref | Part No.    | Qty. | Description                   |
|-----|-------------|------|-------------------------------|
| ❶1  | 12 014 61-S | 1    | Crankshaft (Incl. Ref. No. 2) |
| ❶2  | 25 139 27-S | 1    | Plug-Cup                      |



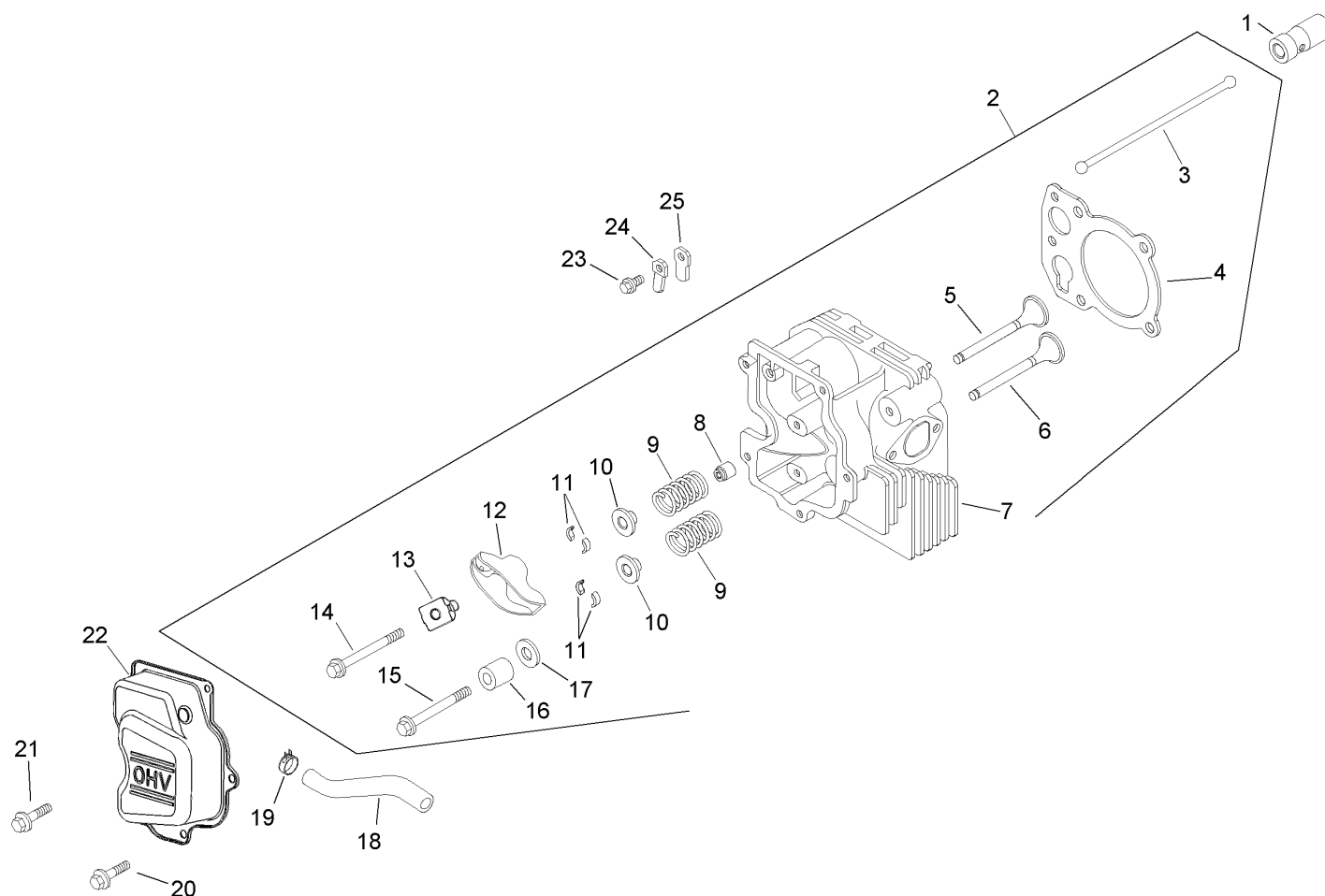
## Crankcase Assembly Kohler CV493S 27528

| Ref | Part No.    | Qty. | Description                                        | Ref | Part No.    | Qty. | Description                                  |
|-----|-------------|------|----------------------------------------------------|-----|-------------|------|----------------------------------------------|
| ❶1  | 12 032 03-S | 1    | Seal-Oil, Front                                    | ❶12 | 12 108 09-S | 2    | Ring Set (.50)                               |
| ❷❶2 |             | 1    | Crankcase (Use Short Block Or Miniblock)           | ❶13 | 12 067 11-S | 1    | Rod-Connecting (STD)                         |
| ❶3  | 12 445 02-S | 1    | Strap-Lifting                                      | ❶13 | 12 067 12-S | 1    | Rod-Connecting (.25)                         |
| ❶4  | M-839025-S  | 1    | Screw-HF (M8X1.25X25)                              | ❶14 | 12 380 01-S | 1    | Pin-Regulating, Governor                     |
| ❶5  | 24 380 13-S | 4    | Pin-Locating                                       | ❶15 | 12 043 05-S | 1    | Gear-Governor                                |
| ❶6  | 12 010 30-S | 1    | Camshaft ASM (Incl. Ref. No. 7)                    | ❶16 | M-631005-S  | 1    | Washer-Plain (6Mm)                           |
| ❶7  | 12 089 37-S | 1    | Spring-Actuating                                   | ❶17 | 12 144 02-S | 1    | Shaft-Gear, Governor                         |
| ❶8  | 12 422 08-S | 1    | Shim-Camshaft, Blue                                | ❶18 | 52 139 09-S | 1    | Plug-Cup                                     |
| ❶8  | 12 422 09-S | 1    | Shim-Camshaft, Red                                 | ❶19 | 12 755 64-S | 1    | Governor Cross Shaft Kit (Incl. Ref. No. 23) |
| ❶8  | 12 422 10-S | 1    | Shim-Camshaft, Yellow                              | ❶20 | X-25-102-S  | 1    | Washer-Plain, 1/4In                          |
| ❶8  | 12 422 11-S | 1    | Shim-Camshaft, Green                               | ❶21 | 12 032 01-S | 1    | Seal-Cross Shaft, Governor                   |
| ❶8  | 12 422 12-S | 1    | Shim-Camshaft, Gray                                | ❶22 | M-631015-S  | 1    | Washer-Plain (6Mm)                           |
| ❶8  | 12 422 13-S | 1    | Shim-Camshaft, Black                               | ❶23 | 12 154 05-S | 1    | Clip-Pin, Hitch                              |
| ❶8  | 12 422 07-S | 1    | Shim-Camshaft, White                               |     |             |      |                                              |
| ❶9  | 12 144 28-S | 1    | Shaft-Balance                                      |     |             |      |                                              |
| ❶10 | 12 874 07-S | 1    | Piston W/Ring Set (STD) (Incl. Ref. No. 11 And 12) |     |             |      |                                              |
| ❶10 | 12 874 11-S | 1    | Piston W/Ring Set (.08)                            |     |             |      |                                              |
| ❶10 | 12 874 08-S | 1    | Piston W/Ring Set (.25)                            |     |             |      |                                              |
| ❶10 | 12 874 09-S | 1    | Piston W/Ring Set (.50)                            |     |             |      |                                              |
| ❶11 | 12 018 02-S | 2    | Retainer-Pin, Piston                               |     |             |      |                                              |
| ❶12 | 12 108 07-S | 2    | Ring Set (STD. And .08)                            |     |             |      |                                              |
| ❶12 | 12 108 08-S | 2    | Ring Set (.25)                                     |     |             |      |                                              |



**Oil Pan/Lubrication Assembly**  
**Kohler CV493S 27528**

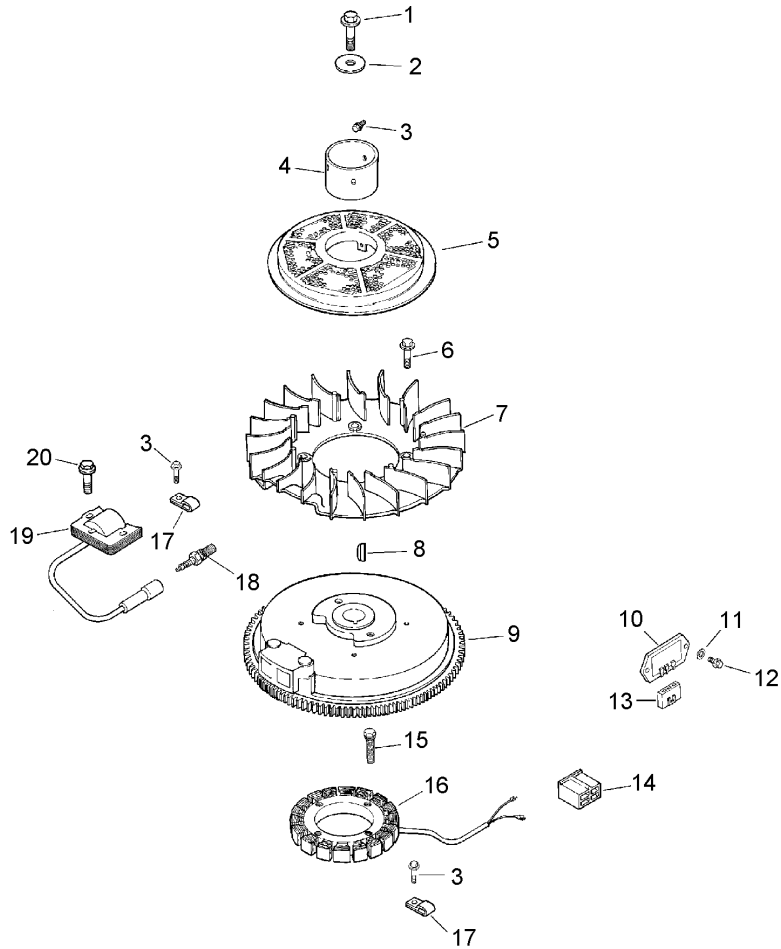
| Ref | Part No.    | Qty. | Description                            |  |  |  |  |
|-----|-------------|------|----------------------------------------|--|--|--|--|
| ❶1  | 12 038 01-S | 1    | Dipstick (Incl. Ref. No. 2 And 3)      |  |  |  |  |
| ❷2  | 25 755 13-S | 1    | Oil Fill Cap (Incl. Ref. No. 3)        |  |  |  |  |
| ❸3  | 25 153 02-S | 1    | O-Ring                                 |  |  |  |  |
| ❹4  | 12 153 02-S | 1    | O-Ring                                 |  |  |  |  |
| ❺5  | 12 123 04-S | 1    | Tube-Fill, Oil                         |  |  |  |  |
| ❻6  | M-545020-S  | 1    | Screw-HF (M5X0.8X20)                   |  |  |  |  |
| ❼7  | 12 153 01-S | 1    | O-Ring (Lower Oil Fill Tube)           |  |  |  |  |
| ❽8  | 25 162 07-S | 1    | Screen-Pickup, Oil                     |  |  |  |  |
| ❾9  | 12 096 03-S | 1    | Cover-Screen, Oil Pickup               |  |  |  |  |
| ❿10 | M-545016-S  | 1    | Screw-HF (M5X0.8X16)                   |  |  |  |  |
| ❶11 | 12 050 01-S | 1    | Filter-Oil                             |  |  |  |  |
| ❶12 | 12 199 50-S | 1    | Oil Pan ASM (Incl. Ref. No. 13, 16-19) |  |  |  |  |
| ❶13 | 25 462 09-S | 1    | Valve-Relief, Oil Pressure             |  |  |  |  |
| ❶14 | 24 099 03-S | 1    | Switch-Pressure                        |  |  |  |  |
| ❶15 | 25 139 57-S | 2    | Plug-SQH (3/8In NPTF)                  |  |  |  |  |
| ❶16 | M-545016-S  | 3    | Screw-HF (M5X0.8X16)                   |  |  |  |  |
| ❶17 | 12 096 34-S | 1    | Cover-Pump, Oil                        |  |  |  |  |
| ❶18 | 12 153 06-S | 1    | O-Ring (Oil Pump Cover)                |  |  |  |  |
| ❶19 | 12 393 01-S | 1    | Oil Pump ASM                           |  |  |  |  |
| ❶20 | 12 032 03-S | 1    | Seal-Oil, Front                        |  |  |  |  |
| ❶21 | 24 086 16-S | 11   | Screw-HF (M8X1.25X45)                  |  |  |  |  |
| ❶22 | 24 086 17-S | 1    | Screw-HF (M8X1.25X45)                  |  |  |  |  |



## Head/Valve/Breather Assembly Kohler CV493S 27528

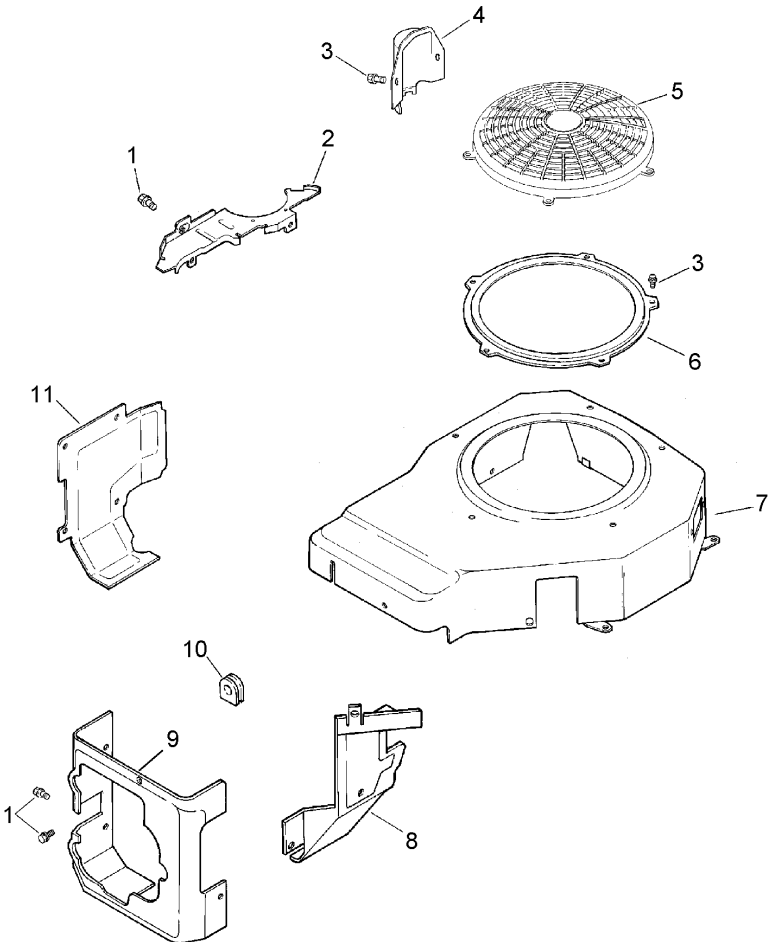
| Ref | Part No.     | Qty. | Description                             |
|-----|--------------|------|-----------------------------------------|
| ❶1  | 25 351 01-S  | 2    | Lifter-Valve                            |
| ❶2  | 12 755 101-S | 1    | Cylinder Head Kit (Incl. Ref. No. 3-17) |
| ❶3  | 12 411 05-S  | 2    | Rod-Push                                |
| ❶4  | 12 041 10-S  | 1    | Gasket-Head, Cylinder                   |
| ❶5  | 12 017 01-S  | 1    | Valve-Intake (STD)                      |
| ❶6  | 12 016 01-S  | 1    | Valve-Exhaust (STD)                     |
| ❶7  | 12 318 51-S  | 1    | Head-Cylinder                           |
| ❶8  | 66 032 05-S  | 2    | Seal-Stem, Valve                        |
| ❶9  | 12 089 34-S  | 2    | Spring-Valve                            |
| ❶10 | 12 173 01-S  | 2    | Cap-Spring, Valve                       |
| ❶11 | 12 755 03-S  | 1    | Retainer Kit                            |
| ❶12 | 25 186 01-S  | 2    | Arm-Rocker                              |
| ❶13 | 12 599 03-S  | 2    | Pivot-Arm, Rocker                       |
| ❶14 | M-645016-S   | 3    | Screw-HF (M6X1.0X16)                    |
| ❶15 | M-640034-S   | 2    | Screw-HF (M6X1.0X34)                    |
| ❶16 | 12 112 16-S  | 2    | Spacer                                  |
| ❶17 | 12 468 05-S  | 1    | Washer-Plain (13/32In)                  |
| ❶18 | 12 326 18-S  | 1    | Hose-Breather                           |
| ❶19 | 25 237 14-S  | 1    | Clamp                                   |
| ❶20 | 20 086 02-S  | 4    | Screw-HF (M10X1.5X81)                   |
| ❶21 | 12 086 16-S  | 1    | Screw-HF, Reduced                       |
| ❶22 | 12 096 47-S  | 1    | Cover-Valve                             |
| ❶23 | M-545010-S   | 1    | Screw-HF (M5X0.8X10)                    |

| Ref | Part No.    | Qty. | Description              |
|-----|-------------|------|--------------------------|
| ❶24 | 66 018 04-S | 1    | Retainer-Reed, Breather  |
| ❶25 | 12 402 02-S | 1    | Reed-Breather            |
| ❶❶  | 12 017 02-S | 1    | Valve-Intake (.25)       |
| ❶❶  | 12 016 02-S | 1    | Valve-Exhaust (.25)      |
| ❶❶  | 12 041 01-S | 2    | Gasket-Carburetor        |
| ❶❶  | 12 041 02-S | 1    | Gasket-Base, Air Cleaner |
| ❶❶  | 12 041 03-S | 1    | Gasket-Manifold, Exhaust |



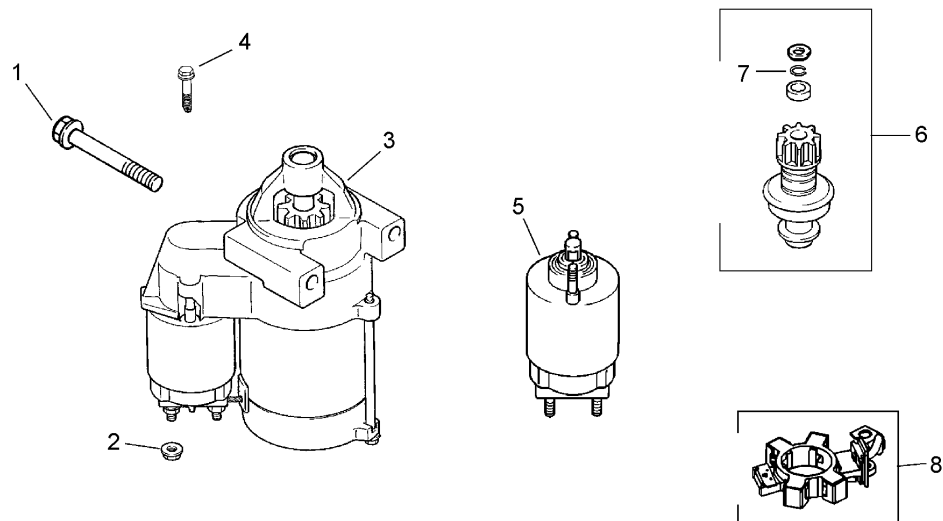
**Ignition/Electrical Assembly**  
**Kohler CV493S 27528**

| Ref | Part No.    | Qty. | Description                                | Ref | Part No.    | Qty. | Description                                 |
|-----|-------------|------|--------------------------------------------|-----|-------------|------|---------------------------------------------|
| ❶1  | 12 086 14-S | 1    | Screw-HF (M10X1.5X46)                      | ❶❸  | 25 518 05-S | 1    | Lead-Black, Rectifier To Connector          |
| ❶2  | 12 468 03-S | 1    | Washer-Plain (3/8In)                       | ❶❸  | 12 518 01-S | 1    | Lead-White, Ground To Kill (19In, 18 Gauge) |
| ❶3  | M-545010-S  | 5    | Screw-HF (M5X0.8X10)                       |     |             |      |                                             |
| ❶4  | 12 109 03-S | 1    | Cup-Mounting, Screen                       |     |             |      |                                             |
| ❶5  | 12 162 09-S | 1    | Screen-Grass                               |     |             |      |                                             |
| ❶6  | 25 086 47-S | 4    | Bolt-Shoulder (M6X1.0X16)                  |     |             |      |                                             |
| ❶7  | 12 157 03-S | 1    | Fan                                        |     |             |      |                                             |
| ❶8  | X-42-15-S   | 1    | Key                                        |     |             |      |                                             |
| ❶9  | 12 025 56-S | 1    | Flywheel                                   |     |             |      |                                             |
| ❶10 | 41 403 09-S | 1    | Rectifier-Regulator                        |     |             |      |                                             |
| ❶11 | X-25-5-S    | 1    | Washer-Steel                               |     |             |      |                                             |
| ❶12 | M-639016-S  | 1    | Screw-HF (M6X1.0X16)                       |     |             |      |                                             |
| ❶13 | 236602-S    | 1    | Connector                                  |     |             |      |                                             |
| ❶14 | 41 155 02-S | 1    | Connector (5 Contact)                      |     |             |      |                                             |
| ❶15 | M-548025-S  | 2    | Screw (M5X0.8X25)                          |     |             |      |                                             |
| ❶16 | 237878-S    | 1    | Stator Kit (Includes Terminal 25 452 01-S) |     |             |      |                                             |
| ❶17 | X-728-1-S   | 2    | Clip                                       |     |             |      |                                             |
| ❶18 | 12 132 02-S | 1    | Spark Plug                                 |     |             |      |                                             |
| ❶19 | 12 584 04-S | 1    | Module-Ignition                            |     |             |      |                                             |
| ❶20 | M-545020-S  | 2    | Screw-HF (M5X0.8X20)                       |     |             |      |                                             |
| ❶❸  | 12 126 96-S | 1    | Bracket-Strap, Ground                      |     |             |      |                                             |
| ❶❸  | 25 452 01-S | 1    | Terminal                                   |     |             |      |                                             |



**Blower Housing and Baffle Assembly**  
**Kohler CV493S 27528**

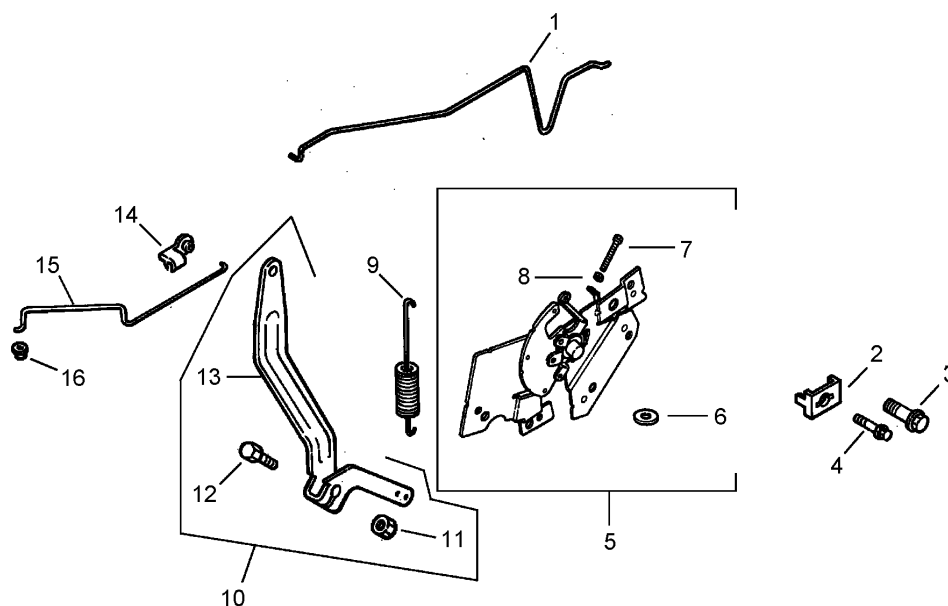
| Ref | Part No.     | Qty. | Description             |  |  |  |  |
|-----|--------------|------|-------------------------|--|--|--|--|
| ❶1  | M-545010-S   | 6    | Screw-HF (M5X0.8X10)    |  |  |  |  |
| ❷2  | 12 146 07-S  | 1    | Plate-Housing, Blower   |  |  |  |  |
| ❸3  | M-550010-S   | 11   | Screw-HF (M5X0.8X10)    |  |  |  |  |
| ❹4  | 12 096 33-S  | 1    | Cover-Starter           |  |  |  |  |
| ❺5  | 12 314 07-S  | 1    | Guard-Stylized          |  |  |  |  |
| ❻6  | 12 314 10-S  | 1    | Guard-Screen, Grass     |  |  |  |  |
| ❼7  | 12 027 53-S  | 1    | Housing-Blower          |  |  |  |  |
| ❽8  | 12 063 18-S  | 1    | Baffle (Intake Side)    |  |  |  |  |
| ❾9  | 12 063 20-S  | 1    | Baffle (Cylinder Head)  |  |  |  |  |
| ❿10 | 12 313 03-S  | 1    | Grommet-Spark Plug      |  |  |  |  |
| ⓫11 | 12 063 19-S  | 1    | Baffle                  |  |  |  |  |
| ⓬❶  | M-545016-S   | 1    | Screw-HF (M5X0.8X16)    |  |  |  |  |
| ⓬❷  | M-561016-S   | 1    | Screw-HF (M5X0.8X16)    |  |  |  |  |
| ⓬❸  | 24 113 18-S  | 1    | Decal-Screen, Grass     |  |  |  |  |
| ⓬❹  | 12 113 125-S | 1    | Decal-18Hp              |  |  |  |  |
| ⓬❺  | 25 113 39-S  | 1    | Decal-Lamination, Clear |  |  |  |  |



## Starting System Assembly Kohler CV493S 27528

| Ref | Part No.     | Qty. | Description                         |
|-----|--------------|------|-------------------------------------|
| ❸1  | M-839080-S   | 2    | Screw-HF (M8X1.25X80)               |
| ❸2  | M-841080-S   | 1    | Nut-HF (M8X1.25)                    |
| ❸3  | 25 098 09-S  | 1    | Starter ASM (Incl. Ref. No. 4-8)    |
| ❸4  | 25 086 113-S | 3    | Screw-Torx Head, External           |
| ❸5  | 25 435 05-S  | 1    | Solenoid Kit (Incl. Ref. No. 4)     |
| ❸6  | 25 755 33-S  | 1    | Pinion Drive Kit (Incl. Ref. No. 7) |
| ❸7  | 25 141 05-S  | 1    | Ring                                |
| ❸8  | 25 221 01-S  | 1    | Brush Kit                           |

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

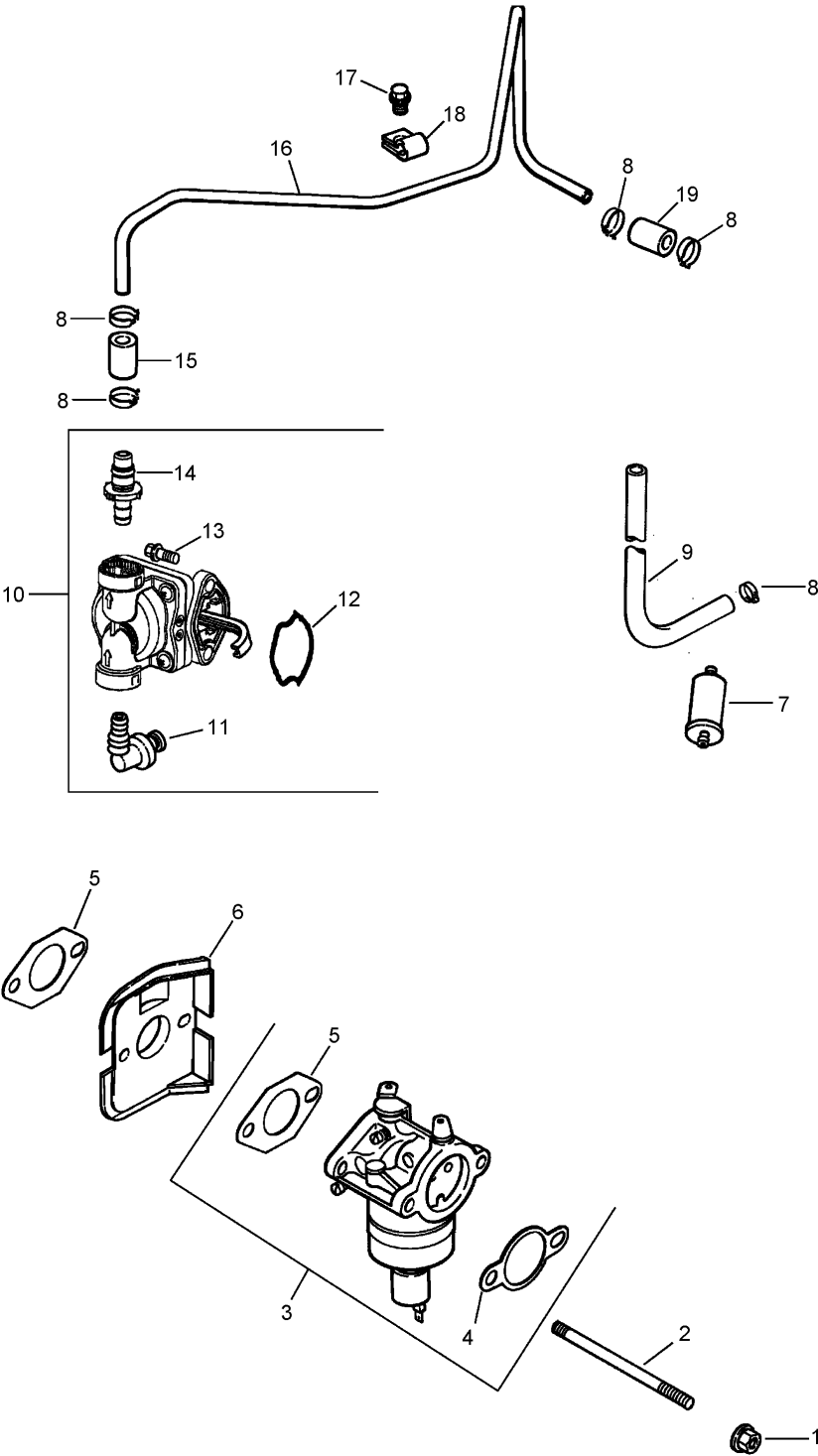


# Engine Control Assembly Kohler CV493S 27528

| Ref | Part No.    | Qty. | Description                                  |  |  |  |  |
|-----|-------------|------|----------------------------------------------|--|--|--|--|
| ③1  | 12 079 11-S | 1    | Linkage-Choke                                |  |  |  |  |
| ③2  | 12 237 01-S | 2    | Clamp-Cable                                  |  |  |  |  |
| ③3  | M-545016-S  | 2    | Screw-HF (M5X0.8X16)                         |  |  |  |  |
| ③4  | M-664020-S  | 2    | Screw-Socket, Lobed<br>(M6X1.0X20)           |  |  |  |  |
| ③5  | 12 536 02-S | 1    | Speed Control ASM (Incl. Ref.<br>No. 6-8)    |  |  |  |  |
| ③6  | 230293-S    | 1    | Spacer-Shim                                  |  |  |  |  |
| ③7  | M-401030-S  | 1    | Screw (M4X0.7X30)                            |  |  |  |  |
| ③8  | M-446030-S  | 1    | Nut-HF (M4X0.7)                              |  |  |  |  |
| ③9  | 52 089 07-S | 1    | Spring-Governor                              |  |  |  |  |
| ③10 | 12 755 83-S | 1    | Governor Lever Kit (Incl. Ref. No.<br>11-13) |  |  |  |  |
| ③11 | 12 100 07-S | 1    | Nut-HF (M6X1.0)                              |  |  |  |  |
| ③12 | 52 211 04-S | 1    | Screw-HF (M6X1.0X25)                         |  |  |  |  |
| ③13 | 12 090 28-S | 1    | Lever-Governor                               |  |  |  |  |
| ③14 | 25 158 11-S | 1    | Bushing-Retaining, Linkage                   |  |  |  |  |
| ③15 | 12 079 10-S | 1    | Linkage-Throttle                             |  |  |  |  |
| ③16 | 25 158 08-S | 1    | Bushing-Retaining, Linkage                   |  |  |  |  |

# Fuel System Assembly

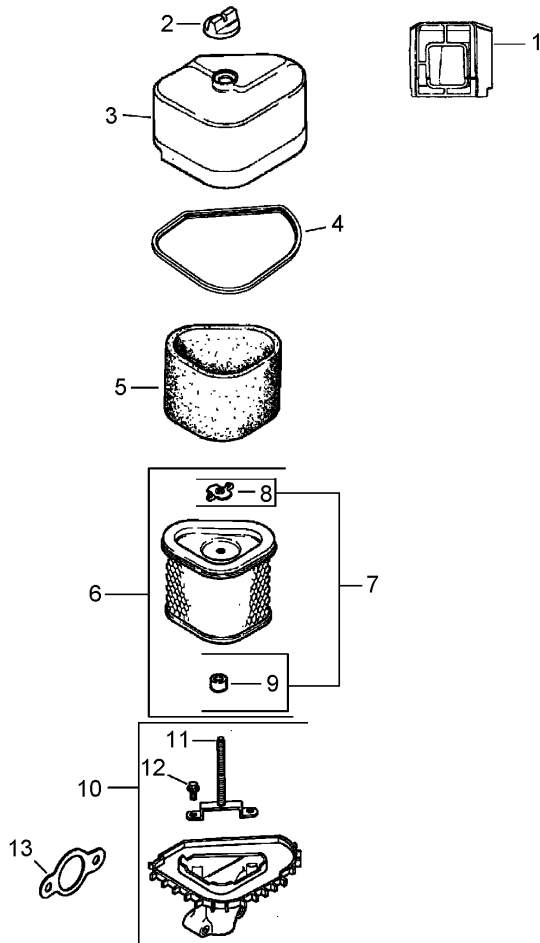
## Kohler CV493S 27528



## Fuel System Assembly

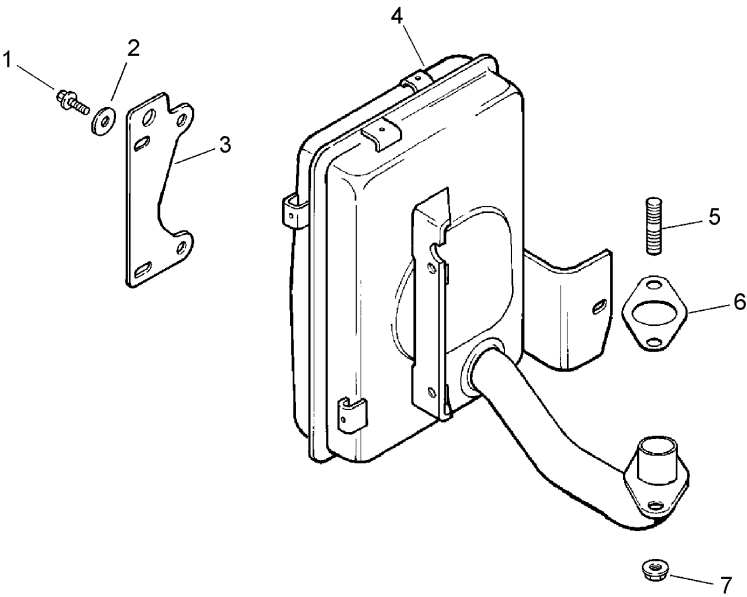
### Kohler CV493S 27528

| Ref | Part No.     | Qty. | Description                                                                                     |  |  |  |  |
|-----|--------------|------|-------------------------------------------------------------------------------------------------|--|--|--|--|
| ③1  | M-641060-S   | 2    | Nut-HF                                                                                          |  |  |  |  |
| ③2  | M-629116-S   | 2    | Stud (M6X1.0X116)                                                                               |  |  |  |  |
| ③3  | 12 853 149-S | 1    | Carburetor Kit (Incl. Ref. No. 4, 5,<br>[qty. 1], Tie 12 454 03-S, And<br>Terminal 25 452 20-S) |  |  |  |  |
| ③4  | 12 041 02-S  | 1    | Gasket-Base, Air Cleaner                                                                        |  |  |  |  |
| ③5  | 12 041 01-S  | 2    | Gasket-Carburetor                                                                               |  |  |  |  |
| ③6  | 12 265 06-S  | 1    | Deflector-Heat                                                                                  |  |  |  |  |
| ③7  | 25 050 08-S  | 1    | Filter-Fuel                                                                                     |  |  |  |  |
| ③8  | 25 237 14-S  | 6    | Clamp                                                                                           |  |  |  |  |
| ③9  | 52 353 18-S  | 1    | Line-Fuel, 8In                                                                                  |  |  |  |  |
| ③10 | 12 559 02-S  | 1    | Fuel Pump Kit (Incl. Ref. No. 11-<br>14)                                                        |  |  |  |  |
| ③11 | 12 294 13-S  | 1    | Fitting-90 DEG                                                                                  |  |  |  |  |
| ③12 | 25 153 04-S  | 1    | O-Ring (Fuel Pump)                                                                              |  |  |  |  |
| ③13 | M-664020-S   | 2    | Screw-Socket, Lobed<br>(M6X1.0X20)                                                              |  |  |  |  |
| ③14 | 24 294 09-S  | 1    | Fitting-Straight                                                                                |  |  |  |  |
| ③15 | 12 353 01-S  | 1    | Line-Fuel (1-1/4In)                                                                             |  |  |  |  |
| ③16 | 12 123 19-S  | 1    | Line-Fuel. Metal                                                                                |  |  |  |  |
| ③17 | M-545010-S   | 1    | Screw-HF (M5X0.8X10)                                                                            |  |  |  |  |
| ③18 | 12 154 01-S  | 1    | Clamp-Line, Fuel                                                                                |  |  |  |  |
| ③19 | 41 353 18-S  | 1    | Line-Fuel (2-1/2In)                                                                             |  |  |  |  |
| ①③  | 12 757 02-S  | 1    | Float Kit                                                                                       |  |  |  |  |
| ①③  | 12 757 03-S  | 1    | Carburetor Repair Kit                                                                           |  |  |  |  |
| ①③  | 12 757 36-S  | 1    | Throttle Shaft Bearing Kit                                                                      |  |  |  |  |
| ①③  | 12 757 37-S  | 1    | Bowl Replacement Kit                                                                            |  |  |  |  |



**Air Intake/Filtration Assembly**  
**Kohler CV493S 27528**

| Ref | Part No.    | Qty. | Description                                   |  |  |  |  |
|-----|-------------|------|-----------------------------------------------|--|--|--|--|
| ❸1  | 12 281 02-S | 1    | Duct-Air                                      |  |  |  |  |
| ❸2  | 20 341 01-S | 1    | Knob-Cover                                    |  |  |  |  |
| ❸3  | 12 096 44-S | 1    | Cover-Cleaner, Air                            |  |  |  |  |
| ❸4  | 12 032 14-S | 1    | Seal                                          |  |  |  |  |
| ❸5  | 12 083 12-S | 1    | Precleaner                                    |  |  |  |  |
| ❸6  | 12 083 10-S | 1    | Element-Cleaner, Air (Incl. Ref. No. 8 And 9) |  |  |  |  |
| ❸7  | 12 743 12-S | 1    | Air Cleaner Kit (Incl. Ref. No. 8 And 9)      |  |  |  |  |
| ❸8  | 12 100 01-S | 1    | Nut-Wing                                      |  |  |  |  |
| ❸9  | 12 032 11-S | 1    | Seal                                          |  |  |  |  |
| ❸10 | 12 094 13-S | 1    | Base-Cleaner, Air (Incl. Ref. No.11 And 12)   |  |  |  |  |
| ❸11 | 12 072 04-S | 1    | Stud-Plate, Mounting                          |  |  |  |  |
| ❸12 | 12 086 01-S | 2    | Screw                                         |  |  |  |  |
| ❸13 | 12 041 02-S | 2    | Gasket-Base, Air Cleaner                      |  |  |  |  |
| ❶❸  | 12-113-04-S | 1    | Decal-Cleaner, Air                            |  |  |  |  |



**Exhaust Assembly**  
**Kohler CV493S 27528**

| Ref | Part No.    | Qty. | Description              |  |  |  |  |
|-----|-------------|------|--------------------------|--|--|--|--|
| ❶1  | M-645025-S  | 2    | Screw-HF (M6X1.0X25)     |  |  |  |  |
| ❶2  | 12 112 20-S | 2    | Spacer                   |  |  |  |  |
| ❶3  | 12 126 71-S | 1    | Bracket-Muffler          |  |  |  |  |
| ❶4  | 12 068 54-S | 1    | Muffler                  |  |  |  |  |
| ❶5  | 25 072 04-S | 2    | Stud (M8X1.25X33)        |  |  |  |  |
| ❶6  | 12 041 03-S | 2    | Gasket-Manifold, Exhaust |  |  |  |  |
| ❶7  | M-841080-S  | 2    | Nut-HF (M8X1.25)         |  |  |  |  |
| ❶❸  | M-545010-S  | 1    | Screw-HF (M5X0.8X10)     |  |  |  |  |
| ❶❸  | M-645016-S  | 2    | Screw-HF (M6X1.0X16)     |  |  |  |  |
| ❶❸  | 12 265 07-S | 1    | Deflector-Exhaust        |  |  |  |  |
| ❶❸  | M-545010-S  | 4    | Screw-HF (M5X0.8X10)     |  |  |  |  |
| ❶❸  | 12 755 93-S | 1    | Gasket Set               |  |  |  |  |

## Attachments and Accessories

For 74412 - Z400 Z Master, With 48in 7-Gauge Side Discharge Mower

| Product Name                               | Model/Part |
|--------------------------------------------|------------|
| Striping Kit . . . . .                     | 106-3370   |
| Deck Lift Assist Kit . . . . .             | 106-9749   |
| Deluxe Suspension Seat . . . . .           | 107-1891   |
| Suspension Kit for Standard Seat . . . . . | 107-1892   |
| Z Stand Kit, 400 Series Z Master . . . . . | 107-8599   |
| Bagging Enhancement Kit . . . . .          | 108-4091   |
| Hitch kit . . . . .                        | 99-8924    |

## NOTES

## NOTES

## NOTES

