



## Z150

### Z-Master<sup>®</sup> with 52" Side Discharge Mower

Model No. 74178—220000313 and Up

## Parts Catalog

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### Ordering Replacement Parts

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

### Understanding Reference Numbers

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

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

### Service Assembly Reference Numbers

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

For example, a wheel assembly might be identified by reference number **6**, the tire by **6:1**, the valve by **6:2**, and the wheel by **6:3**. When you order the assembly identified by reference number **6**, you receive all parts identified by reference numbers **6:1**, **6:2**, and **6:3**. However, you may also order any part individually.

Reference numbers of this type appear in illustrations and in part lists.

### Reference Numbers Indicating Quantity

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

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

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## Accessories

| <b>Description</b>                       | <b>Model / Part No.</b> |
|------------------------------------------|-------------------------|
| Recycler Kit .....                       | 59225                   |
| Bahaia Mulch Kit .....                   | 59227                   |
| High Sail Blades                         |                         |
| (3 required for improved bagging) .....  | 56–2390                 |
| Atomic Blades                            |                         |
| (3 required for improved mulching) ..... | 104–1301                |

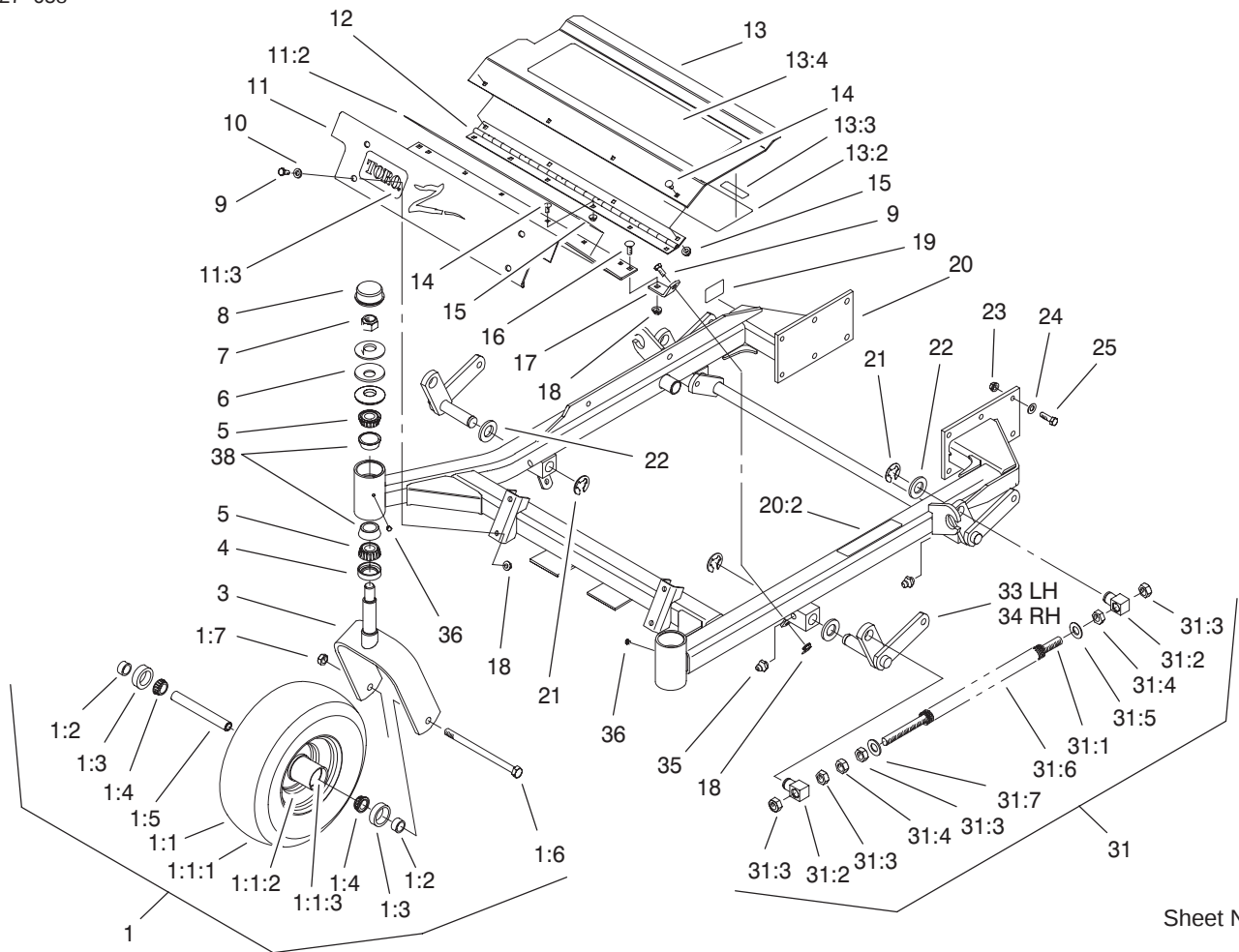
| <b>Description</b>         | <b>Model / Part No.</b> |
|----------------------------|-------------------------|
| Steel Bagger .....         | 30107                   |
| Striping Kit .....         | 30121                   |
| High Suspension Seat ..... | 99–8522                 |
| Z–Stand Kit .....          | 105–1621                |
| Hitch Kit .....            | 99–8924                 |

## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

| Abbreviation | Meaning                           |
|--------------|-----------------------------------|
| AR .....     | as required                       |
| ASM .....    | assembly                          |
| CARR .....   | carriage                          |
| DEG .....    | degrees                           |
| FH .....     | flat head                         |
| GA .....     | gauge                             |
| HF .....     | hex flange                        |
| HH .....     | hex head                          |
| HHF .....    | hex head flange                   |
| HLH .....    | hex lag head                      |
| HJ .....     | hex jam                           |
| HOC .....    | height-of-cut                     |
| HS .....     | hex socket                        |
| HSBH .....   | hex socket button head            |
| HSFH .....   | hex socket flat head              |
| HSH .....    | hex socket head                   |
| HWH .....    | hex washer head                   |
| HWHTF .....  | hex washer head<br>thread forming |

| Abbreviation | Meaning                 |
|--------------|-------------------------|
| HYD .....    | hydraulic               |
| INC .....    | incorporated            |
| LH .....     | left hand               |
| NI .....     | nylon insert            |
| PPH .....    | Phillips pan head       |
| PTH .....    | Phillips truss head     |
| PTO .....    | power take off          |
| RH .....     | right hand              |
| SFH .....    | slotted fillister head  |
| SHH .....    | slotted hex head        |
| SQH .....    | square head             |
| SHWH .....   | slotted hex washer head |
| SPH .....    | slotted pan head        |
| SRH .....    | slotted round head      |
| STD .....    | standard                |
| TAP .....    | self tapping            |
| TTH .....    | Torx truss head         |
| WH .....     | wing head               |

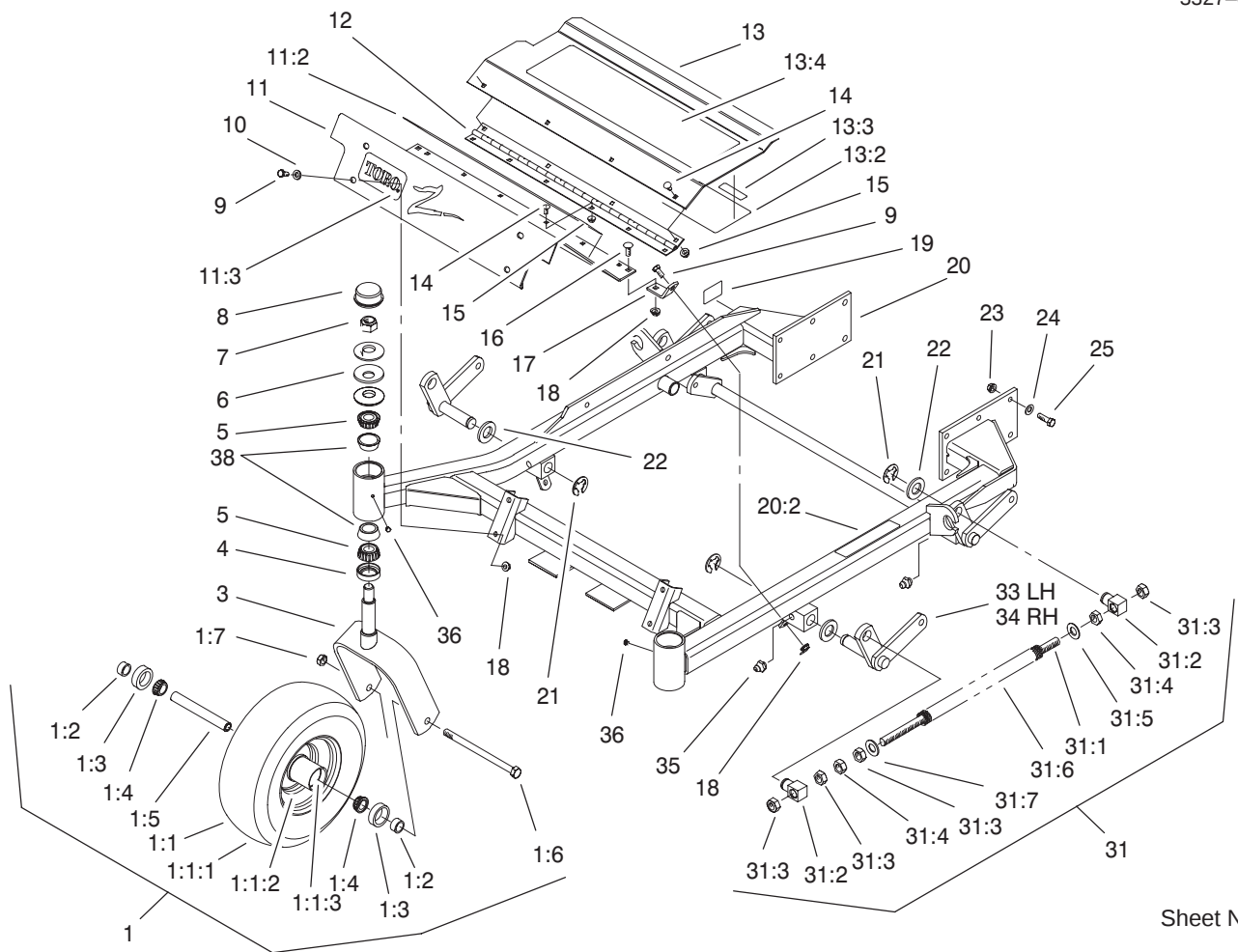


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## Front Frame Assembly

| Ref. No. | Part No.    | Qty. | Description          |
|----------|-------------|------|----------------------|
| 1        | 1-634662    | 2    | Caster Wheel ASM     |
| 1:1      | 1-633582    | 1    | Wheel & Tire ASM     |
| 1:1:1    | 1-633002    | 1    | Tire                 |
| 1:1:2    | 1-633583    | 1    | Wheel                |
| 1:1:3    | 1-633584    | 2    | Bearing-Cup          |
| 1:2      | 1-633581    | 2    | Spacer-Bearing       |
| 1:3      | 1-633580    | 2    | Seal-Bearing         |
| 1:4      | 1-633585    | 2    | Bearing-Cone, Taper  |
| 1:5      | 1-633579    | 1    | Spacer-Caster, Front |
| 1:6      | 325-36      | 1    | Screw-HH             |
| 1:7      | 3296-45     | 1    | Nut-Lock, NI         |
| 3        | 1-632511-01 | 2    | Caster               |
| 4        | 1-543511    | 2    | Seal-Grease          |
| 5        | 254-94      | 4    | Bearing-Cone, Taper  |
| 6        | 1-633508    | 6    | Washer-Belleville    |
| 7        | 3296-51     | 2    | Nut-Lock, NI         |
| 8        | 1-543513    | 2    | Cap-Grease           |
| 9        | 322-3       | 6    | Screw-HH             |
| 10       | 3256-23     | 4    | Washer-Flat          |
| 11       | 99-3940     | 1    | Floorpan-Front       |
| 11:2     | 1-633553    | 1    | Pad-Antiskid         |
| 11:3     | 1-633737    | 1    | Decal-Z-Master       |
| 12       | 1-653049    | 1    | Hinge-Floorpan       |
| 13       | 99-3930     | 1    | Footrest ASM         |
| 13:2     | 99-3924     | 1    | Decal-Service        |
| 13:3     | 98-5954     | 1    | Decal-Missing, Cover |

| Ref. No. | Part No.   | Qty. | Description             |
|----------|------------|------|-------------------------|
| 13:4     | 1-633553   | 1    | Pad-Antiskid            |
| 14       | 3229-10    | 10   | Screw-CARR              |
| 15       | 32128-33   | 10   | Nut-HF                  |
| 16       | 3230-1     | 2    | Screw-CARR              |
| 17       | 99-3870-01 | 2    | Bracket-Floorpan        |
| 18       | 32128-20   | 8    | Nut-HF                  |
| 19       | 105-2625   | 1    | Decal-Safety STD        |
| 20       | 99-3931    | 1    | Front Frame ASM         |
| 20:2     | 1-633818   | 1    | Decal-Warning           |
| 21       | 32151-103  | 6    | Ring-Snap               |
| 22       | 3256-29    | 6    | Washer-Flat             |
| 23       | 3290-357   | 12   | Nut-HHF                 |
| 24       | 98-5975    | 12   | Washer-Belleville       |
| 25       | 323-7      | 12   | Screw-HH                |
| 31       | 103-1987   | 2    | Front Spring ASM        |
| 31:1     | 1-653011   | 1    | Rod-Lift, Deck          |
| 31:2     | 1-633441   | 2    | Swivel-Deck Mount, Rear |
| 31:3     | 3217-11    | 4    | Nut-Hex                 |
| 31:4     | 3218-6     | 2    | Nut-Jam                 |
| 31:5     | 1-805517   | 1    | Washer                  |
| 31:6     | 1-653009   | 1    | Spring-Compression      |
| 31:7     | 3256-27    | 1    | Washer-Flat             |
| 33       | 99-3871-01 | 1    | LH Lift Arm ASM         |
| 34       | 99-3872-01 | 1    | RH Lift Arm ASM         |
| 35       | 302-19     | 4    | Fitting-Grease          |



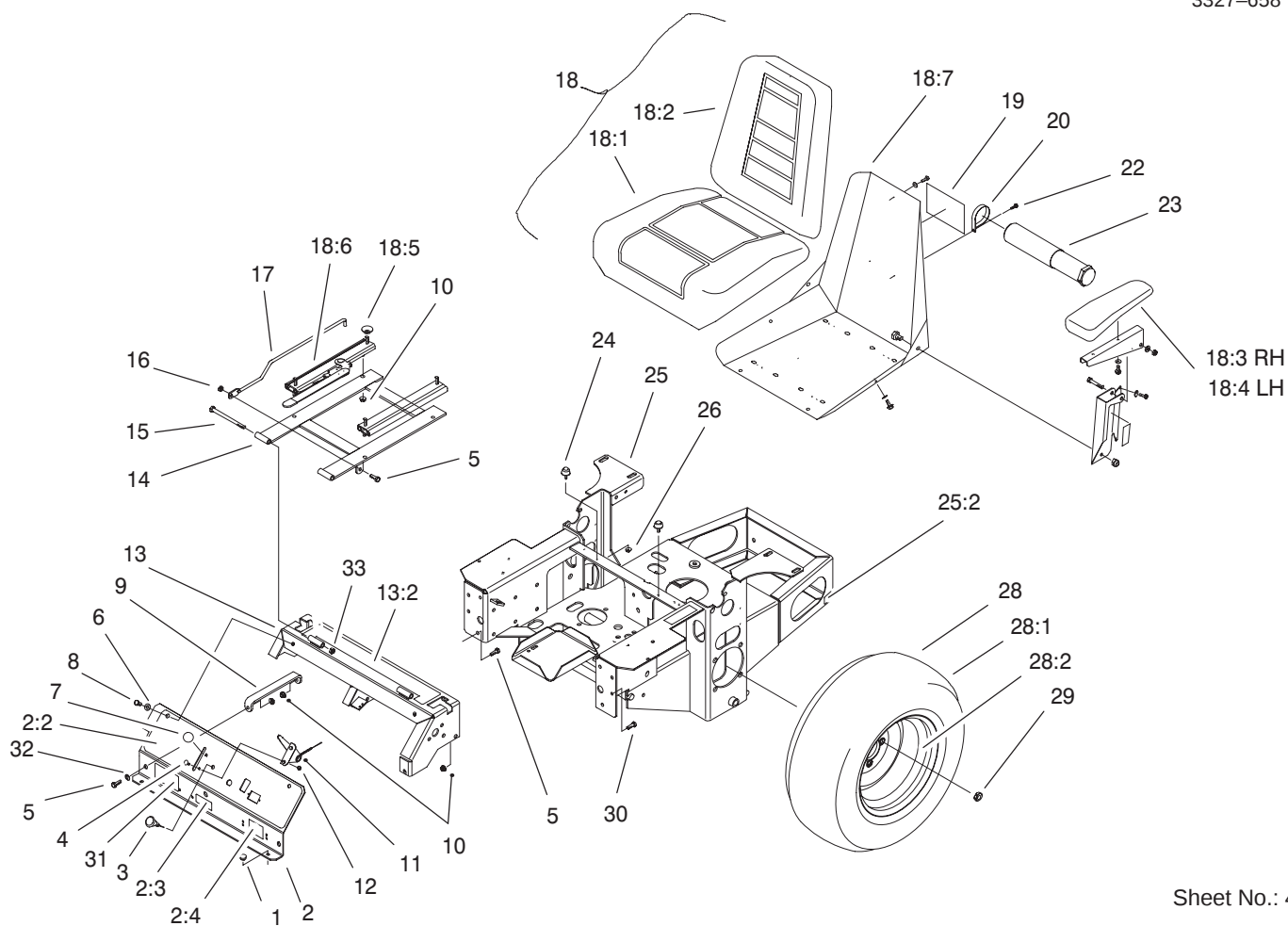
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## Front Frame Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 36       | 1-811010 | 2    | Plug                 |
| 38       | 254-72   | 4    | Bearing-Cup, Tapered |

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





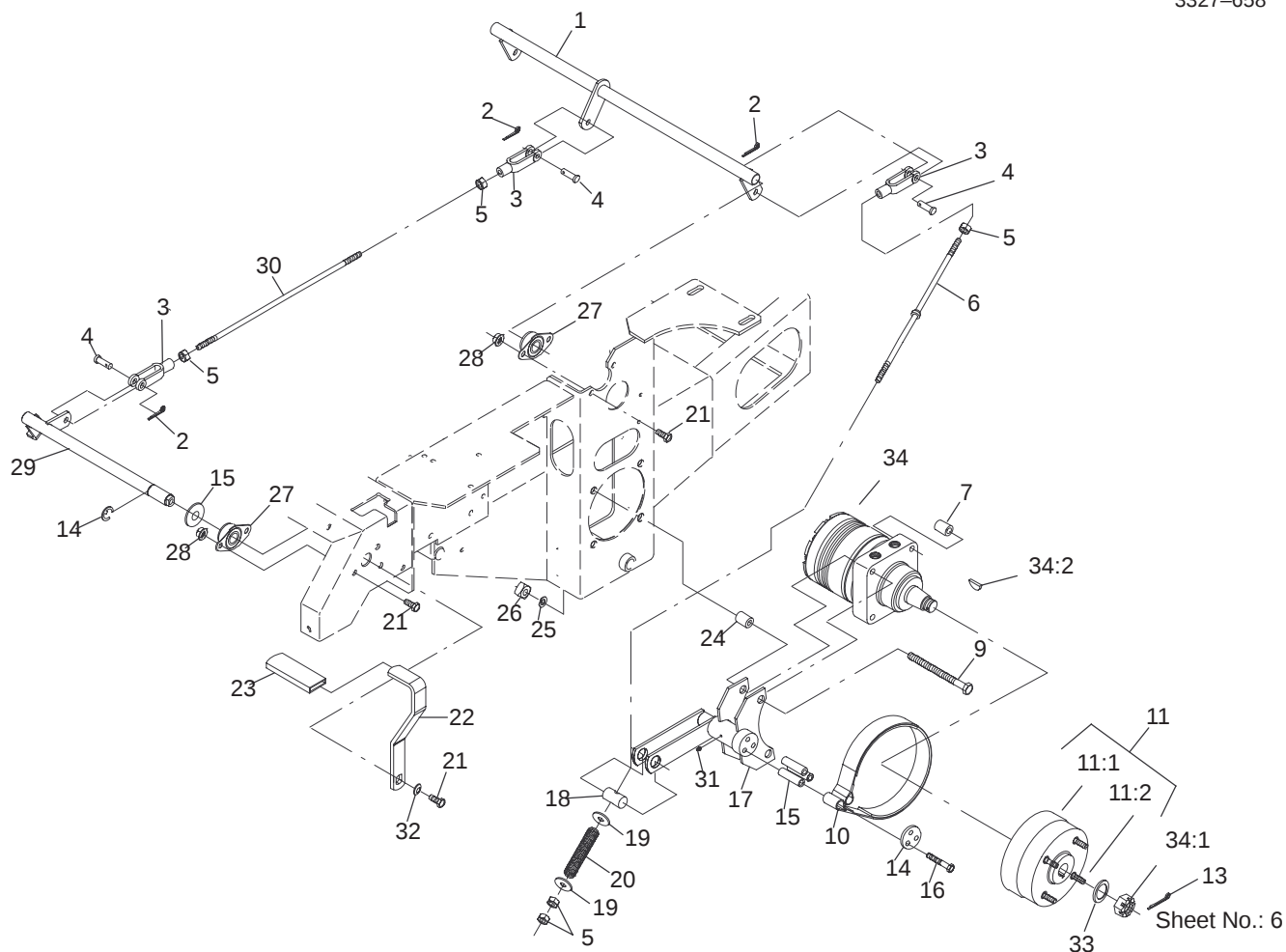
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## Main Frame Assembly

| Ref. No. | Part No.    | Qty. | Description           |
|----------|-------------|------|-----------------------|
| 1        | 1-513658    | 2    | Bumper-Catcher, Grass |
| 2        | 99-3932     | 1    | Control Panel ASM     |
| 2:2      | 99-3942     | 1    | Decal-Panel, Control  |
| 2:3      | 103-0262    | 1    | Decal-Valve, Fuel     |
| 2:4      | 98-4387     | 1    | Decal-Protection, Ear |
| 3        | 1-603336    | 1    | Control-Choke         |
| 4        | 1-807513    | 2    | Bolt-CARR             |
| 5        | 322-5       | 3    | Screw-HH              |
| 6        | 3256-23     | 2    | Washer-Flat           |
| 7        | 1-513592    | 1    | Knob-Ball, Red        |
| 8        | 322-3       | 3    | Screw-HH              |
| 9        | 1-653089-03 | 1    | Bracket               |
| 10       | 32128-20    | 12   | Nut-HF                |
| 11       | 1-633696    | 1    | Cable-Throttle        |
| 12       | 3296-2      | 2    | Nut-Lock              |
| 13       | 105-6123    | 1    | Console ASM           |
| 13:2     | 103-1997    | 1    | Decal-Top Console     |
| 14       | 1-632187-03 | 1    | Frame-Seat            |
| 15       | 323-39      | 2    | Screw-HH              |
| 16       | 3296-29     | 1    | Nut-Lock, NI          |
| 17       | 103-1731    | 1    | Rod-Retainer, Seat    |
| 18       | 1-633705    | 1    | Seat W/Tracks         |
| 18:1     | 103-0290    | 1    | Cushion-Bottom, Seat  |
| 18:2     | 104-7754    | 1    | Cushion-Back, Seat    |
| 18:3     | 1-633710    | 1    | Cushion-Armrest, RH   |

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 18:4     | 1-633711 | 1    | Cushion-Armrest, LH |
| 18:5     | 1-543401 | 4    | Spacer-Track        |
| 18:6     | 1-643255 | 1    | Grp-Track, Seat     |
| 18:7     | 1-633859 | 1    | Frame-Seat          |
| 19       | 99-4693  | 1    | Decal-Toro          |
| 20       | 2412-120 | 2    | R-Clamp             |
| 22       | 32104-76 | 2    | Screw               |
| 23       | 74-0720  | 1    | Tube-Manual         |
| 24       | 1-523420 | 2    | Bumper              |
| 25       | 105-6121 | 1    | Main Frame ASM      |
| 25:2     | 65-2690  | 2    | Decal-Surface, Hot  |
| 26       | 3296-42  | 2    | Nut-Lock, NI        |
| 28       | 1-653159 | 2    | ASM, Wheel & Tire   |
| 28:1     | 1-653160 | 1    | Tire                |
| 28:2     | 1-653161 | 1    | Wheel               |
| 29       | 242-50   | 8    | Nut-Lug             |
| 30       | 322-2    | 6    | Screw-HH            |
| 31       | 99-4604  | 1    | Decal-Z150          |
| 32       | 3256-3   | 2    | Washer-Flat         |
| 33       | 3296-39  | 2    | Nut-Lock, NI        |

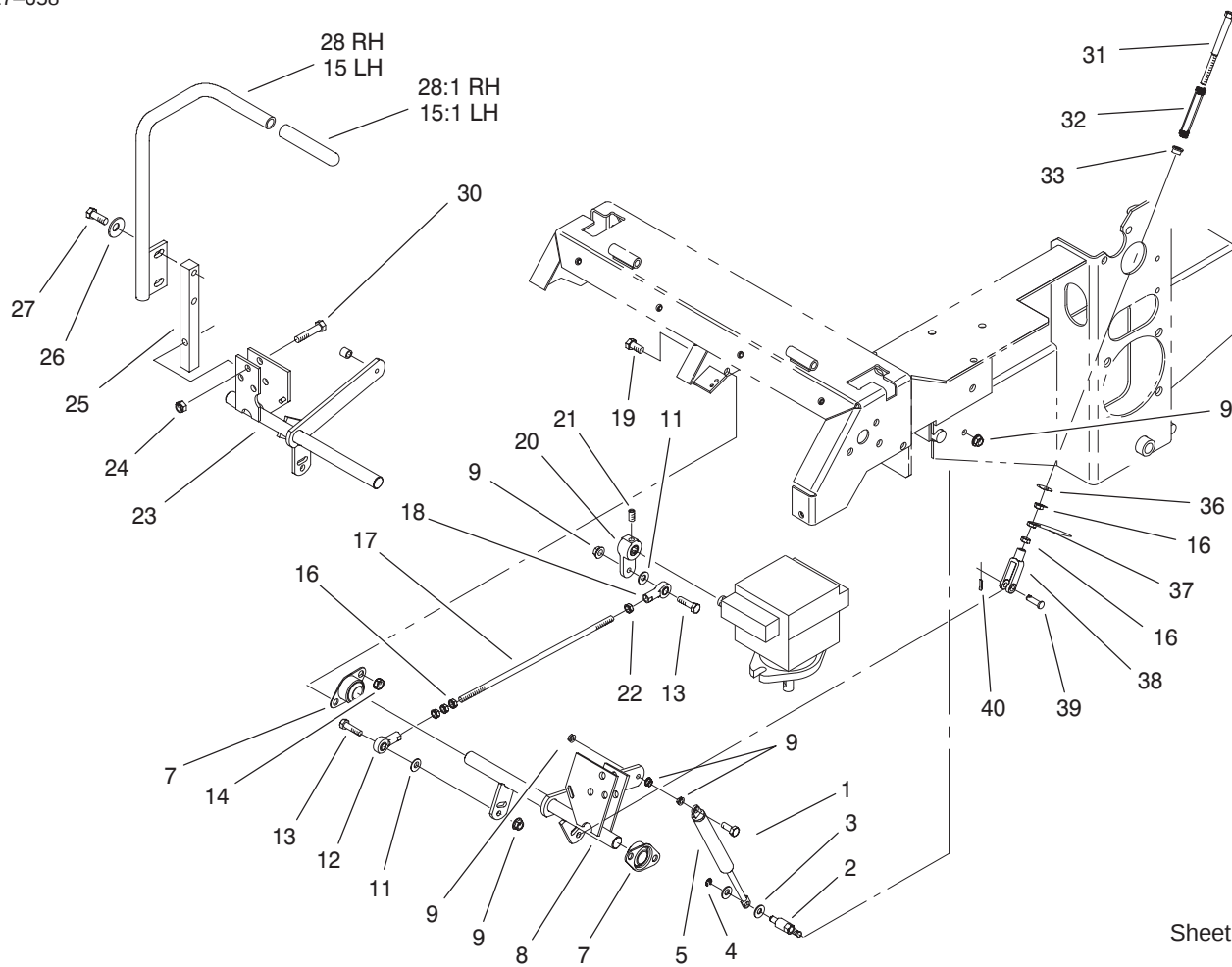




## Parking Brake System Assembly

| Ref. No. | Part No.    | Qty. | Description          | Ref. No. | Part No. | Qty. | Description           |
|----------|-------------|------|----------------------|----------|----------|------|-----------------------|
| 1        | 1-652073-03 | 1    | Crank-Brake, Park    | 27       | 1-633102 | 4    | Bearing-Flange, Side  |
| 2        | 3272-10     | 4    | Pin-Cotter           | 28       | 3290-357 | 8    | Nut-HHF               |
| 3        | 1-633131    | 4    | Yoke-Linkage, Brake  | 29       | 1-652085 | 1    | Shaft-Brake, Parking  |
| 4        | 1-808285    | 4    | Pin-Clevis           | 30       | 1-653061 | 1    | Linkage-Handle, Brake |
| 5        | 3219-3      | 8    | Nut-HH               | 31       | 1481     | 2    | Fitting-Grease        |
| 6        | 103-0356    | 2    | Rod-Brake            | 32       | 98-5975  | 1    | Washer-Belleville     |
| 7        | 1-653068    | 4    | Spacer-Wheel         | 33       | 1-523157 | 2    | Washer-Spacer         |
| 9        | 325-13      | 8    | Screw-HH             | 34       | 1-523328 | 2    | Motor-Wheel           |
| 10       | 103-0355    | 2    | Band-Brake           | 34:1     | 1-809036 | 1    | Nut-HH                |
| 11       | 103-0590    | 2    | Hub-Wheel W/Studs    | 34:2     | 3257-42  | 1    | Key-Woodruff          |
| 11:1     | 103-0589    | 1    | Hub-Wheel            | *34:99   | 1-000099 | 1    | Kit-Seal              |
| 11:2     | 1-633926    | 4    | Stud-Wheel           | *34:99   | 1-000139 | 1    | Kit-Bearing           |
| 13       | 1-806800    | 2    | Pin-Cotter           | 35       | 32151-48 | 1    | E-Ring                |
| 14       | 103-0374    | 2    | Retainer-Band, Brake | 36       | 3256-28  | 1    | Washer-Flat           |
| 15       | 103-0384    | 6    | Spacer               |          |          |      |                       |
| 16       | 322-9       | 6    | Screw-HH             |          |          |      |                       |
| 17       | 103-0352-03 | 2    | Bracket-Brake        |          |          |      |                       |
| 18       | 1-633144    | 2    | Pin-Trunion          |          |          |      |                       |
| 19       | 3256-4      | 4    | Washer-Flat          |          |          |      |                       |
| 20       | 1-633454    | 2    | Spring-Brake         |          |          |      |                       |
| 21       | 323-4       | 9    | Screw-HH             |          |          |      |                       |
| 22       | 1-653074-03 | 1    | Handle-Brake, Park   |          |          |      |                       |
| 23       | 1-633268    | 1    | Grip-Lever, Brake    |          |          |      |                       |
| 24       | 1-653069    | 4    | Spacer-Wheel         |          |          |      |                       |
| 25       | 3253-7      | 8    | Washer-Lock          |          |          |      |                       |
| 26       | 103-0131    | 8    | Nut-Square           |          |          |      |                       |

\* Not illustrated

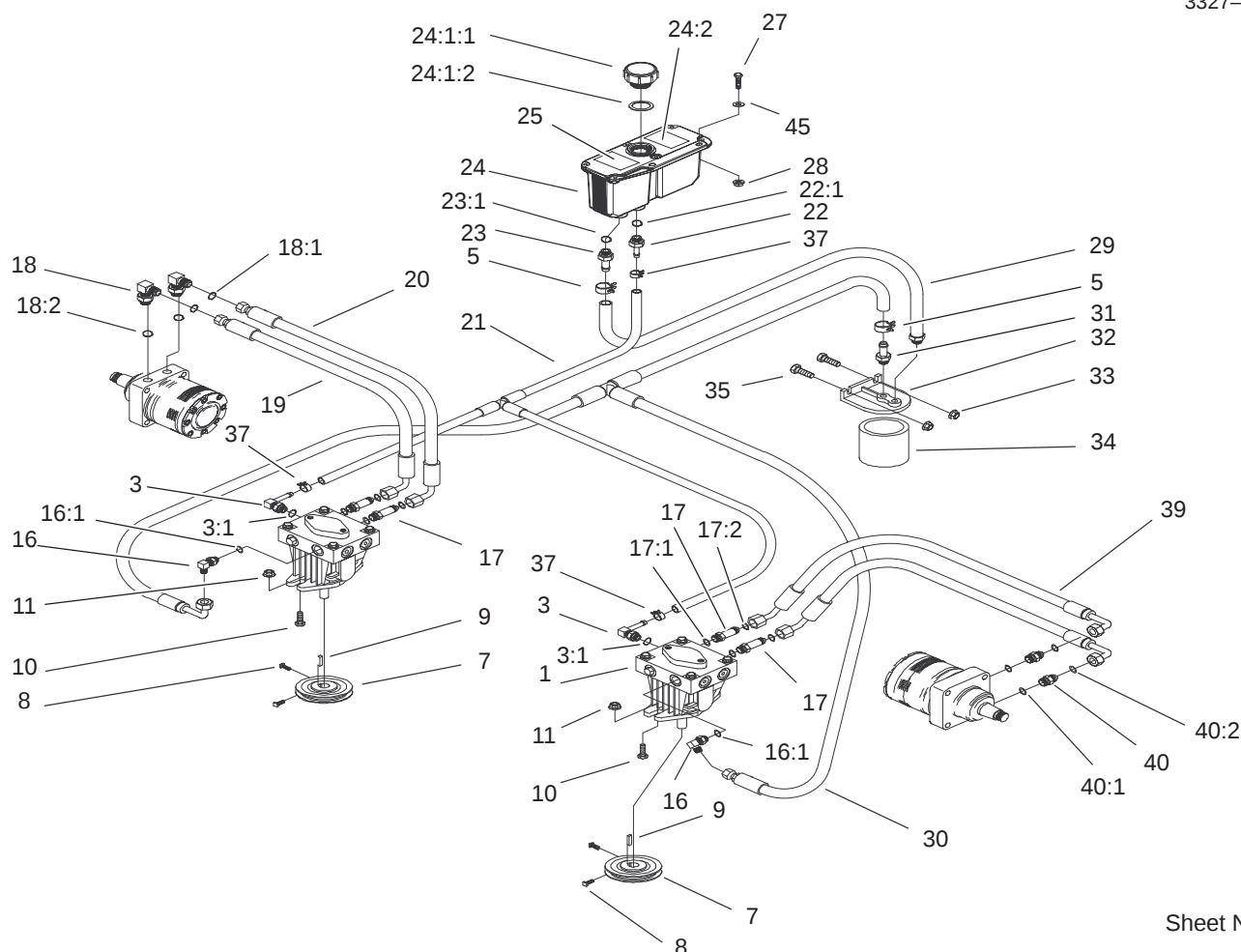


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## Motion Control System Assembly

| Ref. No. | Part No. | Qty. | Description           |
|----------|----------|------|-----------------------|
| 1        | 1-403180 | 2    | Screw-HH              |
| 2        | 1-653316 | 2    | Pin-Damper            |
| 3        | 3256-23  | 4    | Washer-Flat           |
| 4        | 32120-35 | 2    | E-Ring                |
| 5        | 1-523027 | 2    | Damper-Control        |
| 7        | 1-633102 | 4    | Bearing-Flange, Side  |
| 8        | 103-2199 | 1    | LH Motion Control ASM |
| 9        | 32128-20 | 12   | Nut-HF                |
| 11       | 3256-3   | 4    | Washer-Flat           |
| 12       | 1-543017 | 2    | Balljoint-RH          |
| 13       | 322-6    | 4    | Screw-HH              |
| 14       | 3290-357 | 8    | Nut-HHF               |
| 15       | 103-0631 | 1    | LH Lever ASM          |
| 15:1     | 1-633257 | 1    | Grip-Control, Motion  |
| 16       | 3219-2   | 10   | Nut-Hex               |
| 17       | 1-653046 | 2    | Linkage-Pump/Lever    |
| 18       | 1-633152 | 2    | Balljoint-Thread, LH  |
| 19       | 323-4    | 8    | Screw-HH              |
| 20       | 1-653092 | 2    | Arm-Control, Pump     |
| 21       | 1-803022 | 2    | Screw                 |
| 22       | 1-804524 | 2    | Nut                   |
| 23       | 103-2200 | 1    | RH Motion Control ASM |
| 24       | 3296-39  | 6    | Nut-Lock, NI          |
| 25       | 103-0407 | 2    | Arm-Shaft, Control    |

| Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|
| 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                    |
| 38       | 1-303105 | 2    | Yoke-Adjustable        |
| 39       | 1-808280 | 2    | Pin-Clevis             |
| 40       | 3272-5   | 2    | Pin-Cotter             |



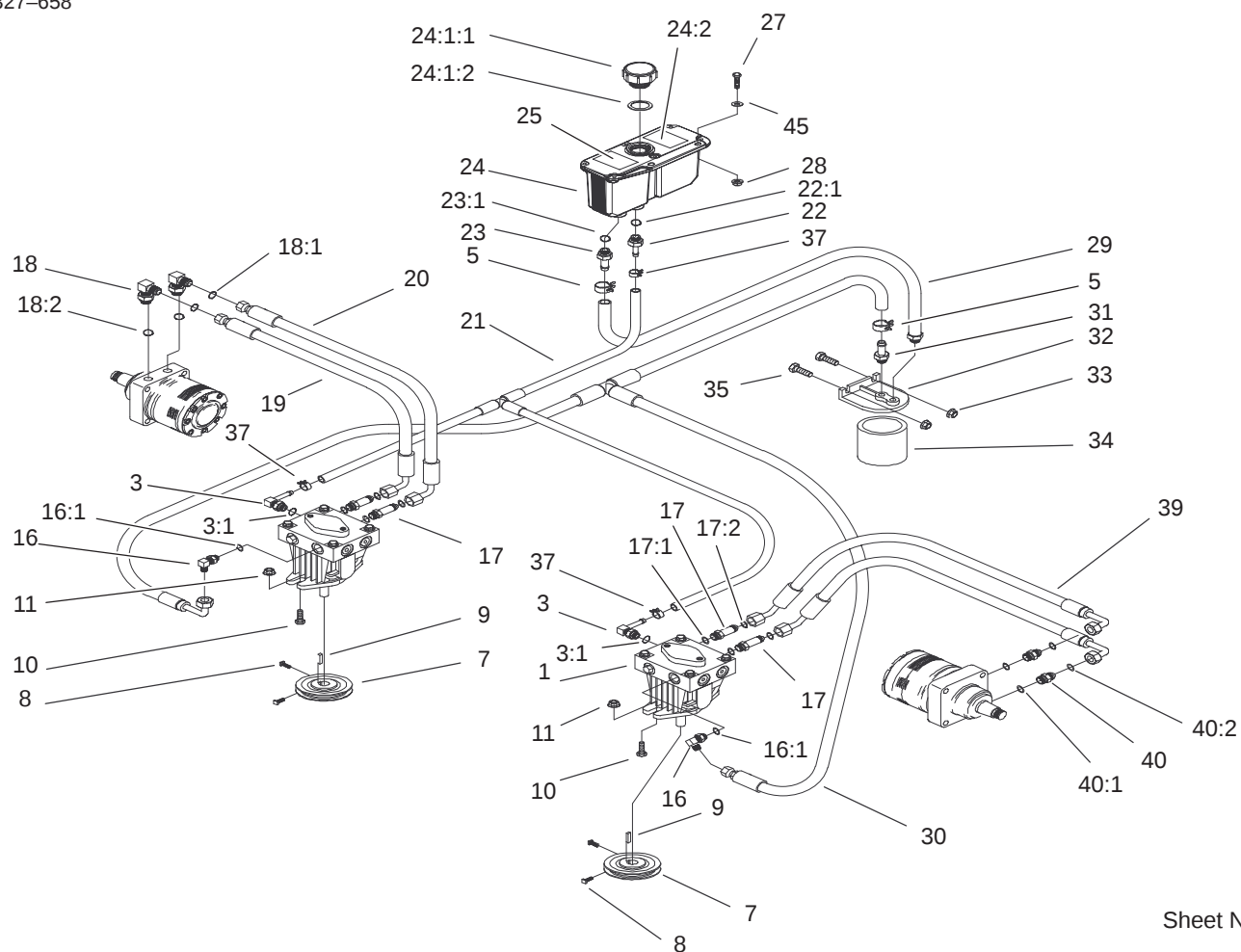
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## Hydraulic System Assembly

| Ref. No. | Part No. | Qty. | Description             | Ref. No. | Part No. | Qty. | Description              |
|----------|----------|------|-------------------------|----------|----------|------|--------------------------|
| 1        | 103-1942 | 2    | Pump-Hydraulic          | 22:1     | 237-42   | 1    | O-Ring                   |
| *1:1     | 105-6184 | 1    | Kit – Overhaul, Seal    | 23       | 103-1912 | 1    | Adapter, Straight        |
| *1:2     | 105-6185 | 1    | Plate – Valve           | 23:1     | 237-42   | 1    | O-Ring                   |
| *1:8     | 103-2664 | 1    | Kit, Input Shaft 10a    | 24       | 103-1947 | 1    | HYD Reservoir ASM        |
| *1:9     | 103-2665 | 1    | Kit, Thrust Bearing 10a | ☆24:1    |          | 1    | HYD Reservoir ASM        |
| *1:10    | 103-2666 | 1    | Kit, Cylinder Block 10a | 24:1:1   | 103-1948 | 1    | Cap, Hydraulic Reservoir |
| 3        | 103-1799 | 2    | Elbow-90°               | 24:1:2   | 103-1949 | 1    | Gasket-Cap               |
| 3:1      | 237-42   | 1    | O-Ring                  | 24:2     | 1-523552 | 1    | Decal-Tank, Hydraulic    |
| 5        | 103-1988 | 2    | Clamp-Hose              | 25       | 103-2644 | 1    | Decal-System, Exhaust    |
| 7        | 1-653156 | 2    | Sheave                  | 27       | 321-14   | 2    | Screw-HH                 |
| 8        | 1-803050 | 4    | Screw-Set               | 28       | 32128-33 | 2    | Nut-HF                   |
| 9        | 1-807272 | 2    | Key-Machine             | 29       | 103-1805 | 1    | HYD Hose ASM             |
| 10       | 323-7    | 4    | Screw-HH                | 30       | 103-1803 | 1    | HYD Hose ASM             |
| 11       | 3290-357 | 4    | Nut-HHF                 | 31       | 103-1804 | 1    | Adapter-Straight         |
| 16       | 103-1802 | 2    | Elbow-90°               | 32       | 1-603720 | 1    | Head-Filter              |
| 16:1     | 237-42   | 1    | O-Ring                  | 33       | 32128-20 | 2    | Nut-HF                   |
| 17       | 103-1940 | 4    | Adapter, Straight       | 34       | 1-633750 | 1    | Filter-HYD               |
| 17:1     | 237-79   | 1    | O-Ring                  | 34       | 1-633752 | 1    | Filter-HYD, Winter       |
| 17:2     | 1-603992 | 1    | O-Ring                  | 35       | 322-5    | 2    | Screw-HH                 |
| 18       | 1-633605 | 2    | Fitting-Connector       | 37       | 103-1716 | 3    | Clamp-Hose               |
| 18:1     | 1-603992 | 1    | O-Ring                  | 39       | 103-1680 | 2    | Hose-LH                  |
| 18:2     | 237-80   | 1    | O-Ring                  | 40       | 1-603991 | 2    | Fitting-Straight         |
| 19       | 1-653186 | 1    | Hose, Front             | 40:1     | 237-80   | 1    | O-Ring                   |
| 20       | 1-653187 | 1    | Hose, RH Rear           | 40:2     | 1-603992 | 1    | O-Ring                   |
| 21       | 103-1800 | 1    | HYD Hose ASM            |          |          |      |                          |
| 22       | 103-1801 | 1    | Adapter-Straight        |          |          |      |                          |

\* Not illustrated

☆ Not serviced separately

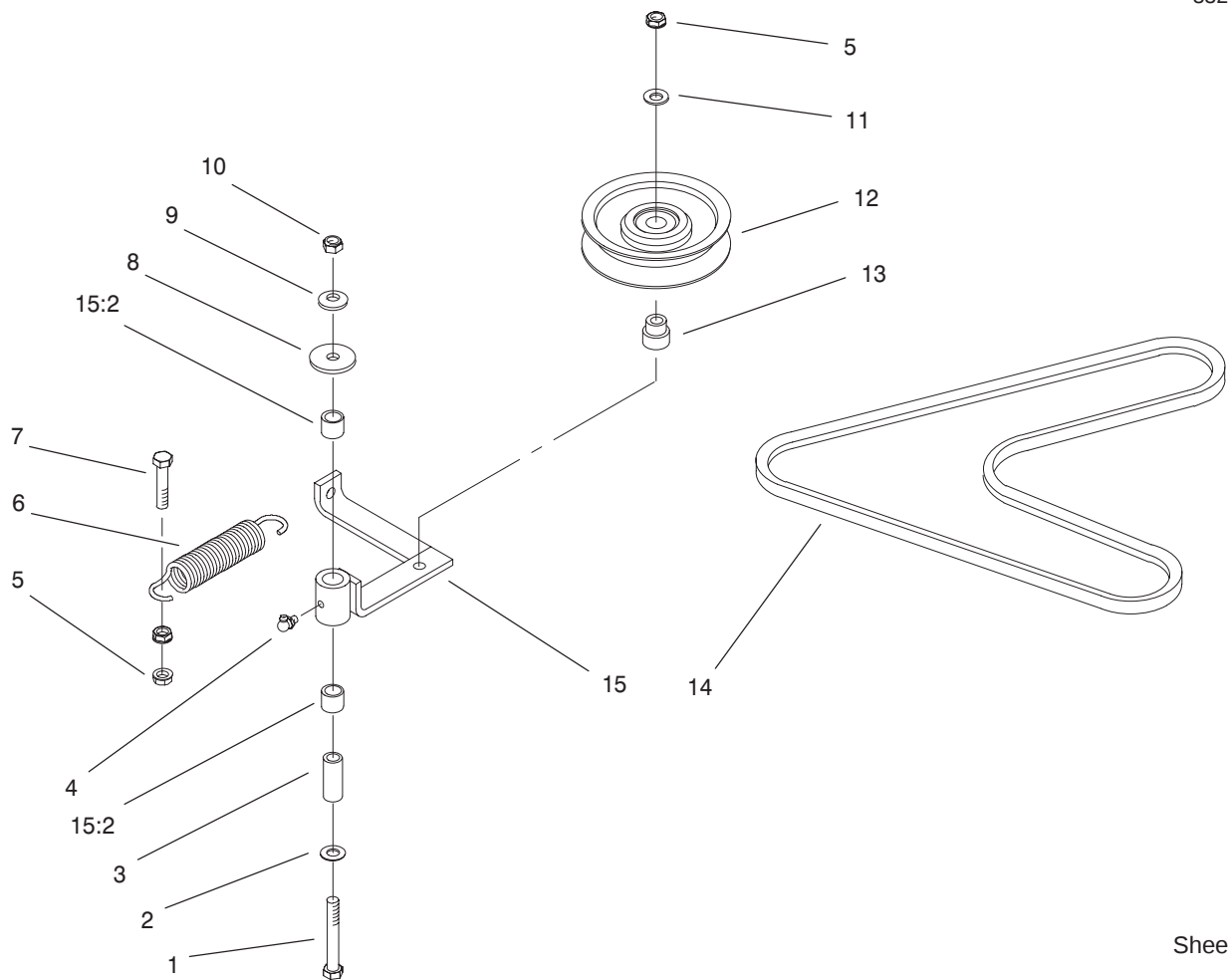


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## Hydraulic System Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
| 45       | 3256-22  | 2    | Washer-Flat |

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

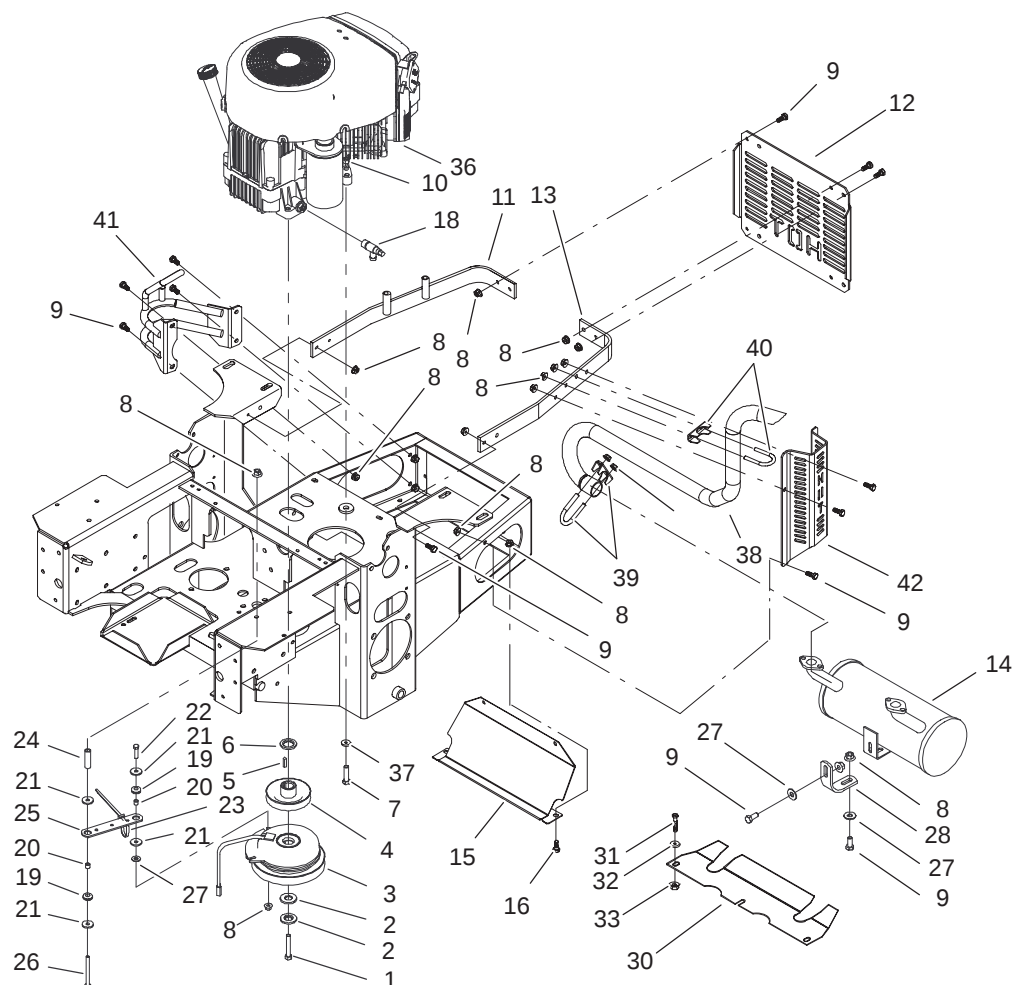


Sheet No.: 9

## Pump, Idler and Belt Assembly

| Ref. No. | 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 | 3    | Nut-HHF           |
| 6        | 103-1767 | 1    | Spring-Extension  |
| 7        | 323-9    | 2    | Screw-HH          |
| 8        | 1-373034 | 1    | Washer-Swivel     |
| 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      |
| 13       | 1-603496 | 1    | Bushing-Idler     |
| 14       | 1-653283 | 1    | Belt-Pump         |
| 15       | 1-654143 | 1    | Idler Arm         |
| 15:2     | 1-513034 | 2    | Sleeve-Bearing    |

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



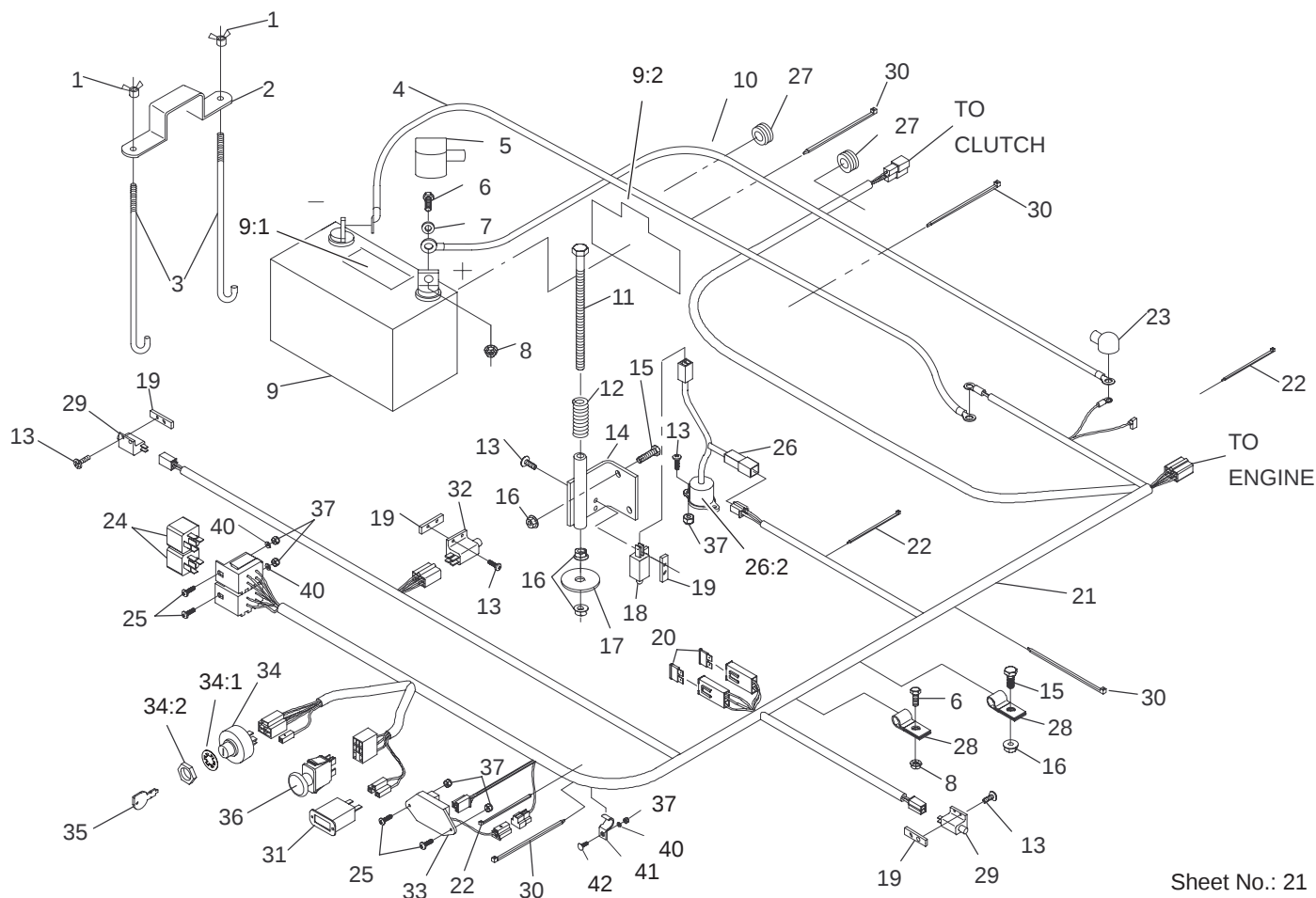
Sheet No.: 10

## Engine and Clutch Assembly

| Ref. No. | Part No.    | Qty. | Description                |
|----------|-------------|------|----------------------------|
| 1        | 3212-10     | 1    | Screw-HH                   |
| 2        | 1-603610    | 2    | Washer-Spring              |
| 3        | 1-653048    | 1    | Clutch-Stop                |
| 4        | 1-653035    | 1    | Sheave W/Hub               |
| 5        | 1-807259    | 1    | Key                        |
| 6        | 103-2308    | 1    | Spacer-Crankshaft          |
| 7        | 322-9       | 4    | Screw-HH                   |
| 8        | 32128-20    | 27   | Nut-HF                     |
| 9        | 322-3       | 21   | Screw-HH                   |
| 10       | 32128-20    | 4    | Nut-HF                     |
| 11       | 1-652146-03 | 1    | Strap-Guard, Engine        |
| 12       | 1-653095-03 | 1    | Shield-Engine              |
| 13       | 103-2751-03 | 1    | Strap,Eng Guard LH Exhaust |
| 14       | 103-1323    | 1    | Muffler                    |
| 15       | 103-2560-03 | 1    | Shield-Heat                |
| 16       | 322-2       | 4    | Screw-HH                   |
| 18       | 103-1963    | 1    | Valve,Oil Drain 3/8 Npt    |
| 19       | 1-633630    | 2    | Grommet-Brake              |
| 20       | 1-633545    | 2    | Spacer-Grommet             |
| 21       | 1-613235    | 4    | Washer                     |
| 22       | 322-6       | 1    | Screw-HH                   |
| 23       | 1-303335    | 2    | Tie-Plastic                |
| 24       | 1-523406    | 1    | Bushing-Mount, Seat        |
| 25       | 1-633543-03 | 1    | Strap-Clutch, Brake        |
| 26       | 322-22      | 1    | Screw-HH                   |

| Ref. No. | Part No.    | Qty. | Description              |
|----------|-------------|------|--------------------------|
| 27       | 3256-3      | 3    | Washer-Flat              |
| 28       | 1-653196    | 1    | Bracket-Support, Muffler |
| 30       | 1-653539-03 | 1    | Shield,Heat              |
| 31       | 3230-1      | 3    | Screw-CARR               |
| 32       | 3256-23     | 3    | Washer-Flat              |
| 33       | 3296-29     | 3    | Nut-Lock, NI             |
| ★36      |             | 1    | Engine, Kohler Cv20s     |
| 37       | 1-303334    | 2    | Washer-Spring            |
| 38       | 103-2599    | 1    | Wld,Tailpipe             |
| 39       | 103-2630    | 1    | Clamp,1.25"              |
| 40       | 103-2631    | 1    | Clamp,1.125"             |
| 41       | 103-2564-03 | 1    | RH Exhaust Guard ASM     |
| 42       | 103-2566-03 | 1    | LH Exhaust Guard ASM     |
| 44       | 1-643312    | 1    | Clip-Loom                |

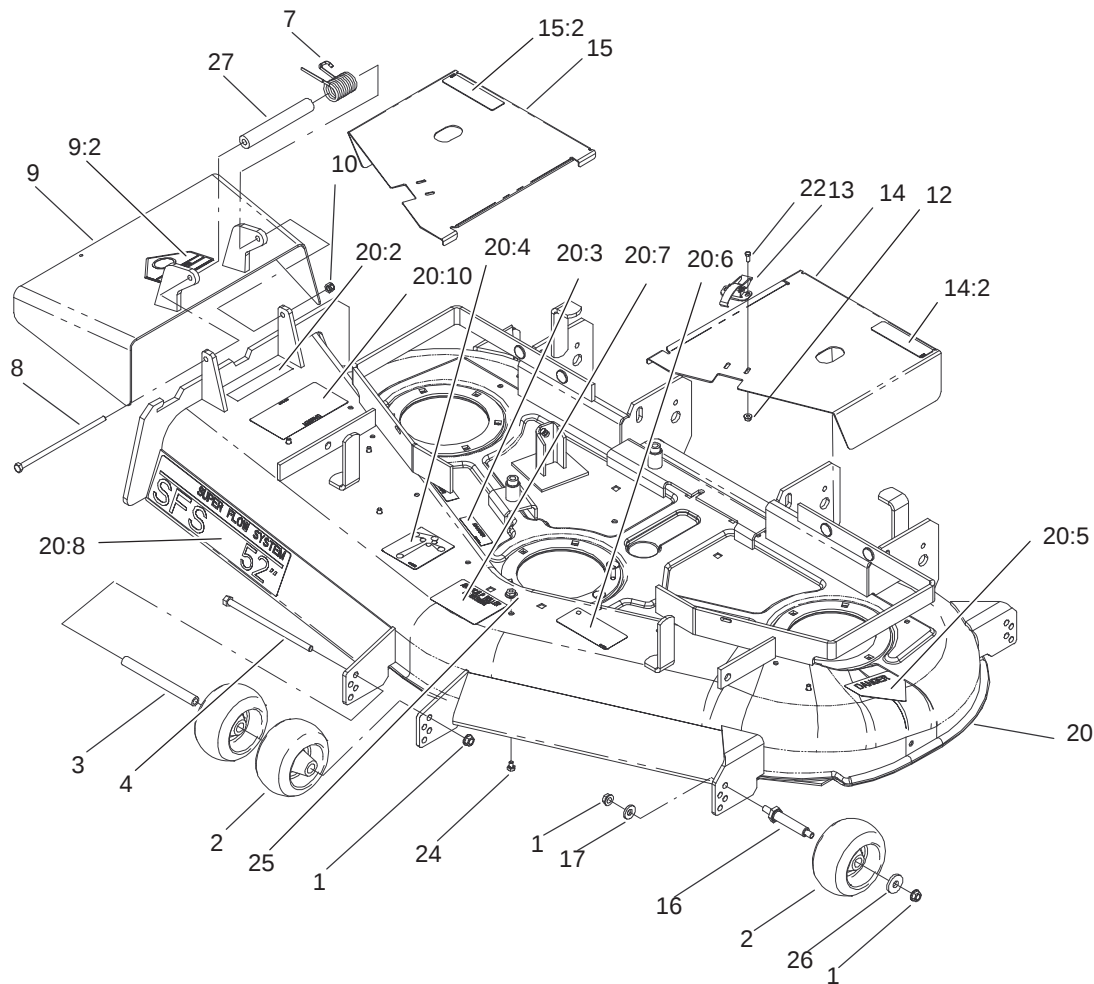
★ Not serviced separately



Sheet No.: 21

## Electrical System Assembly

| Ref. No. | Part No.    | Qty. | Description             | Ref. No. | Part No. | Qty. | Description           |
|----------|-------------|------|-------------------------|----------|----------|------|-----------------------|
| 1        | 1-543792    | 2    | Wingnut                 | 22       | 1-303287 | 2    | Tie-Plastic           |
| 2        | 1-633652-03 | 1    | Strap-Holddown, Battery | 23       | 1-543393 | 1    | Insulator-Solenoid    |
| 3        | 1-633651    | 2    | Bolt-Holddown           | 24       | 1-643275 | 2    | Relay                 |
| 4        | 103-0705    | 1    | Cable-Ground, Negative  | 25       | 1-807513 | 4    | Bolt-CARR             |
| 5        | 1-543391    | 1    | Insulator-Battery       | 26       | 1-644427 | 1    | Tilt Switch ASM       |
| 6        | 321-4       | 3    | Screw-HH                | 26:2     | 1-643401 | 1    | Decal-Switch, Mercury |
| 7        | 3256-2      | 2    | Washer-Flat             | 27       | 1-543286 | 2    | Grommet               |
| 8        | 32128-33    | 3    | Nut-HF                  | 28       | 1-633396 | 2    | Clip-Loom             |
| 9        | 105-1692    | 1    | Battery - 230 Cca       | 29       | 1-513051 | 2    | Switch-Open, Normally |
| 9:1      | 104-4163    | 1    | Decal-Battery           | 30       | 1-303335 | 4    | Tie-Plastic           |
| 9:2      | 104-4164    | 1    | Decal-Battery           | 31       | 1-513374 | 1    | Meter-Hour            |
| 10       | 1-523281    | 1    | Wire-Starter            | 32       | 1-633111 | 1    | Switch                |
| 11       | 1-800282    | 1    | Screw-HH                | 33       | 100-6186 | 1    | Module-Delay, Seat    |
| 12       | 1-523415    | 1    | Spring-Switch, Seat     | 34       | 88-9830  | 1    | Key Switch ASM        |
| 13       | 3290-500    | 10   | Screw-PPH               | 34:1     | 3254-5   | 1    | Washer-Lock, Internal |
| 14       | 1-652072-03 | 1    | Bracket-Switch, Seat    | 34:2     | 218-461  | 1    | Nut-HH                |
| 15       | 322-3       | 3    | Screw-HH                | 35       | 63-8360  | 2    | Key-Ignition          |
| 16       | 32128-20    | 5    | Nut-HF                  | 36       | 1-633673 | 1    | Switch-Delta          |
| 17       | 1-653036    | 1    | Washer                  | 37       | 3296-2   | 7    | Nut-Lock              |
| 18       | 1-513152    | 1    | Switch-Closed, Normally | 40       | 3256-14  | 1    | Washer-Flat           |
| 19       | 1-633181    | 4    | Plate-Tapped            | 41       | 103-1193 | 1    | Clip-Half, Loom       |
| 20       | 1-816001    | 2    | Fuse-Type, Blade        | 42       | 1-807533 | 1    | Bolt-CARR             |
| 21       | 103-0595    | 1    | Harness-Wire            |          |          |      |                       |



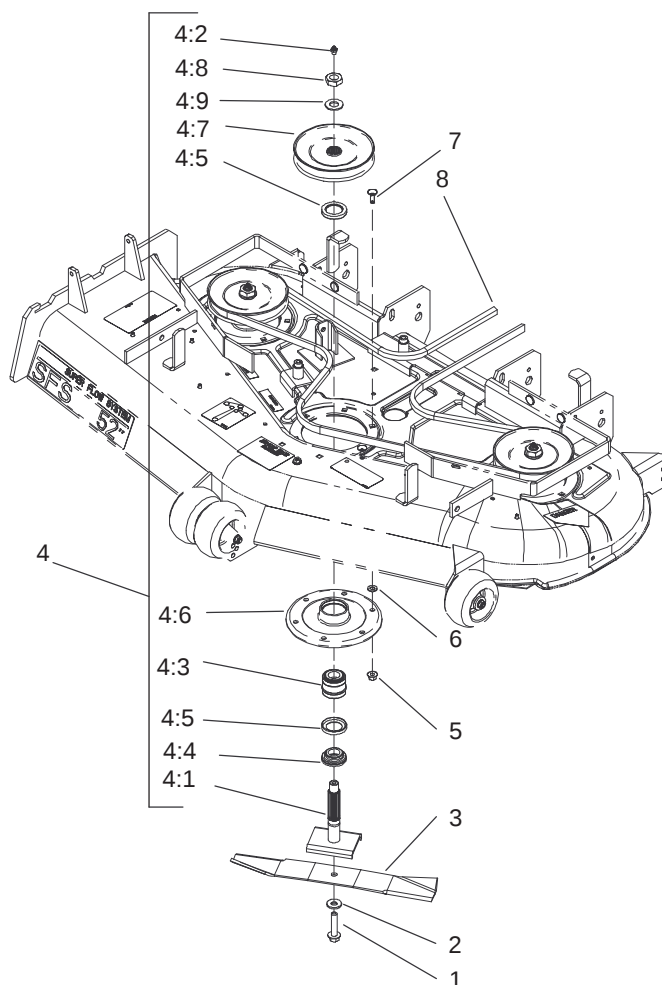
Sheet No.: 14

## Deck Assembly

| Ref. No. | Part No. | Qty. | Description                       |
|----------|----------|------|-----------------------------------|
| 1        | 3290-357 | 9    | Nut-HHF                           |
| 2        | 68-2730  | 6    | Wheel-Gage                        |
| 3        | 98-5967  | 1    | Spacer-Wheel                      |
| 4        | 323-28   | 1    | Screw-HH                          |
| 7        | 104-8554 | 1    | Spring-Torsion                    |
| 8        | 322-50   | 1    | Screw-Cap                         |
| 9        | 105-4623 | 1    | Deflector ASM                     |
| 9:2      | 54-9220  | 1    | Decal-Danger                      |
| 10       | 3296-29  | 1    | Nut-Lock, NI                      |
| 12       | 32128-17 | 4    | Nut-Lock, Flange                  |
| 13       | 249-21   | 2    | Clamp-Slotted                     |
| 14       | 99-3896  | 1    | LH Cover ASM                      |
| 14:2     | 67-5360  | 1    | Decal-Danger                      |
| 15       | 99-3895  | 1    | RH Cover ASM                      |
| 15:2     | 67-5360  | 1    | Decal-Danger                      |
| 16       | 99-2842  | 4    | Spacer-Wheel                      |
| 17       | 98-5975  | 4    | Washer-Belleville                 |
| 20       | 105-1695 | 1    | Deck Service ASM (52, 100 Series) |
| ☆20      |          | 1    | Deck ASM W/ Decals                |
| 20:2     | 104-8569 | 1    | Decal-Warning, Deflector          |
| 20:3     | 98-5954  | 3    | Decal-Missing, Cover              |
| 20:4     | 99-3943  | 1    | Decal-Routing, Belt               |
| 20:5     | 43-8480  | 1    | Decal-Danger                      |

| Ref. No. | Part No. | Qty. | Description                  |
|----------|----------|------|------------------------------|
| 20:6     | 93-7818  | 1    | Decal-Torque, Blade Bolt     |
| 20:7     | 98-3798  | 1    | Decal-Wheel, Gage            |
| 20:8     | 98-5953  | 1    | Decal-Sfs                    |
| 20:10    | 66-1340  | 1    | Decal-Danger                 |
| 22       | 3290-321 | 4    | Screw-HWH                    |
| 24       | 321-1    | 6    | Screw-HH                     |
| 25       | 32128-33 | 6    | Nut-HF                       |
| 26       | 1-373034 | 4    | Washer-Swivel                |
| 27       | 105-4622 | 1    | Spacer - Mounting, Deflector |

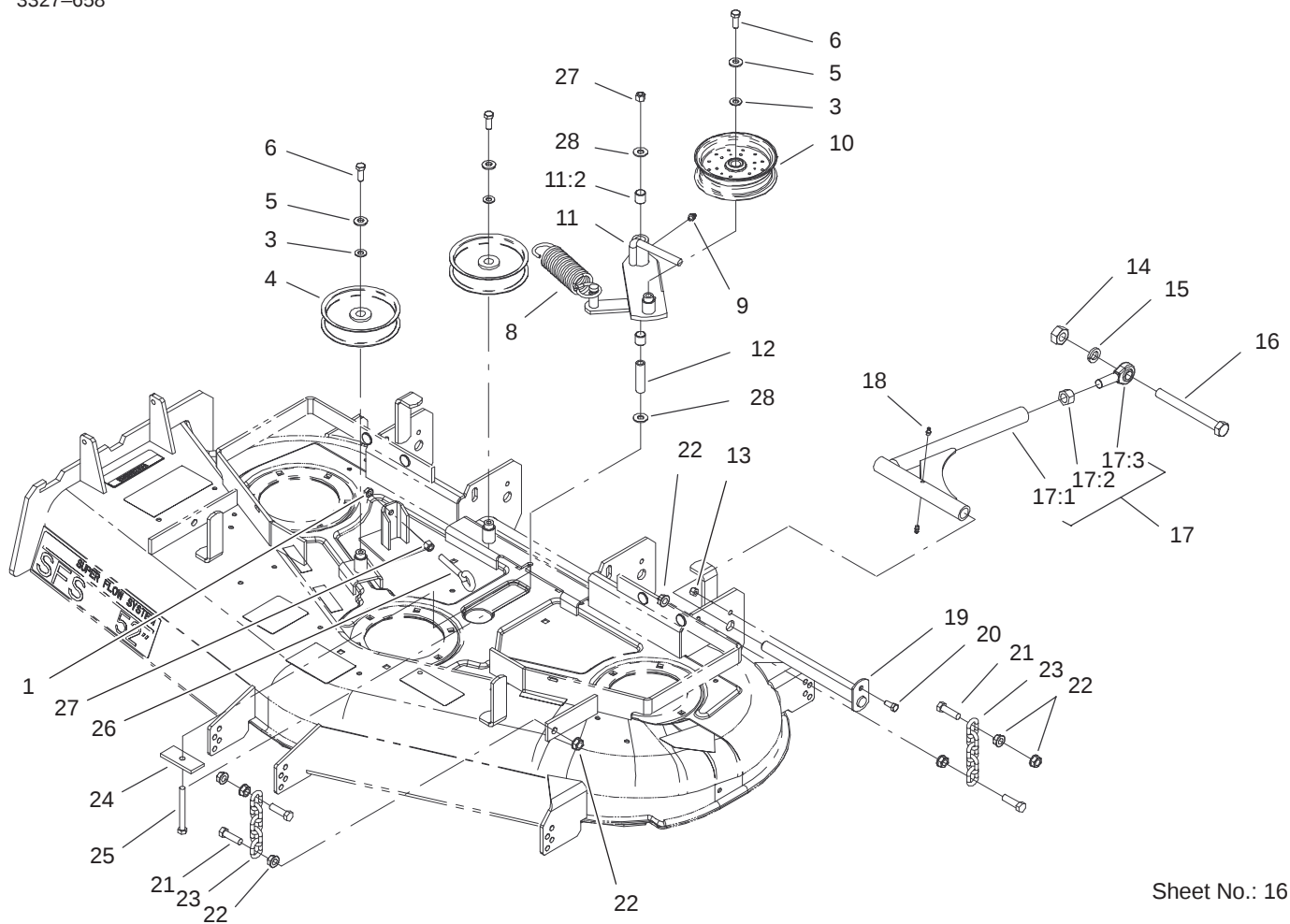
☆ Not serviced separately



Sheet No.: 15

## Deck Spindle Assembly

| Ref. No. | Part No. | Qty. | Description                |
|----------|----------|------|----------------------------|
| 1        | 92-5816  | 3    | Bolt-Blade                 |
| 2        | 1-513435 | 3    | Washer-Spring              |
| 3        | 56-2390  | 3    | Blade                      |
| 4        | 100-3976 | 3    | Spindle Housing ASM        |
| 4:1      | 100-3972 | 1    | Spindle Shaft ASM          |
| 4:2      | 302-2    | 1    | Fitting-Grease             |
| 4:3      | 46-8530  | 1    | Bearing ASM                |
| 4:4      | 27-0950  | 1    | Spacer-Bearing,<br>Spindle |
| 4:5      | 253-139  | 2    | Seal-Oil                   |
| 4:6      | 61-4160  | 1    | Housing-Spindle            |
| 4:7      | 100-3970 | 1    | Pulley And Hub ASM         |
| 4:8      | 32146-20 | 1    | Nut-Jam                    |
| 4:9      | 7-4150   | 1    | Washer-Pinion              |
| 5        | 32128-21 | 18   | Nut-HF                     |
| 6        | 3256-24  | 6    | Washer-Flat                |
| 7        | 3231-22  | 18   | Screw-CARR                 |
| 8        | 99-3904  | 1    | Belt-Deck                  |



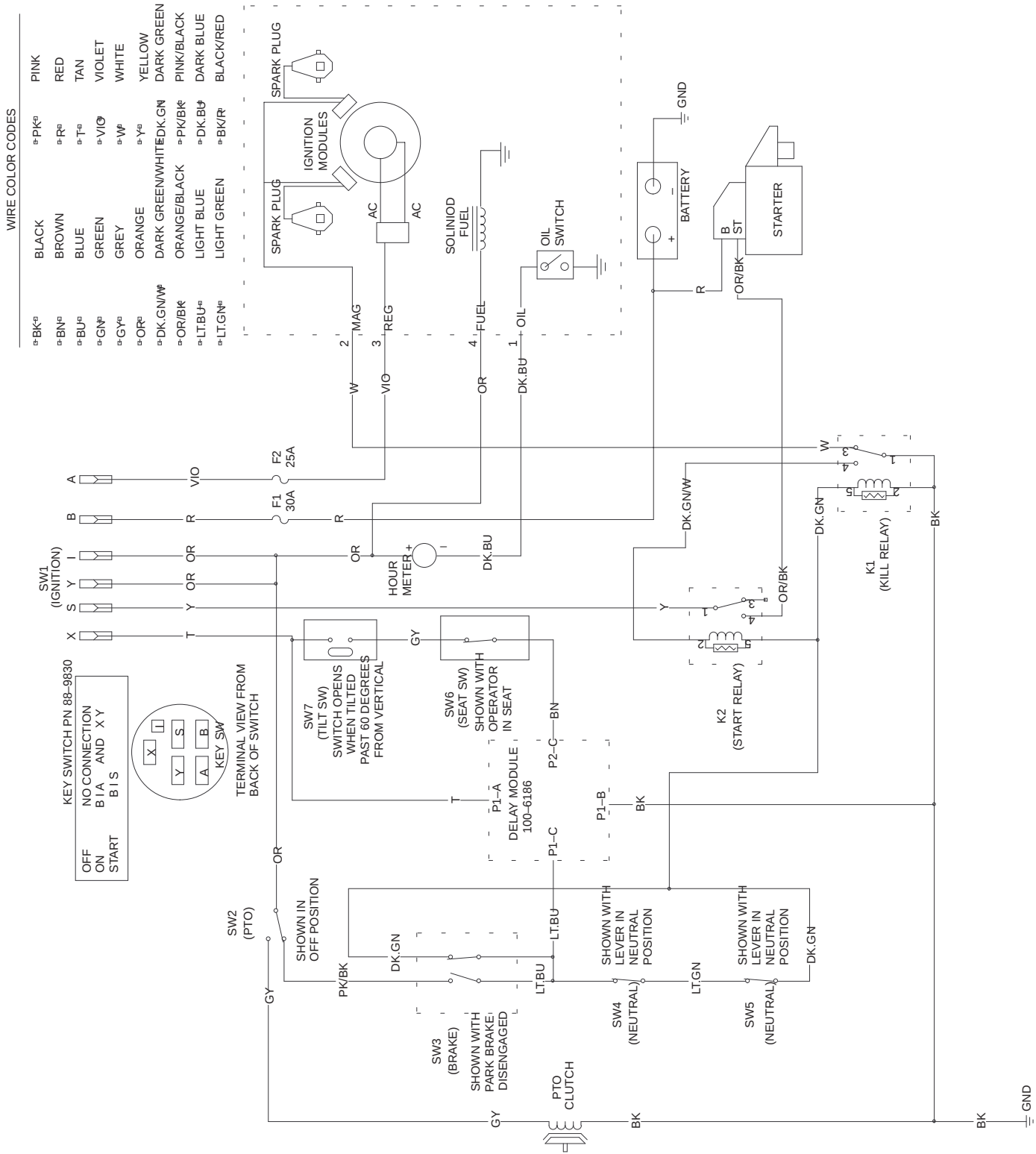
Sheet No.: 16

## Idler, Pulley/Lift Strut and Chain Assembly

| Ref. No. | Part No.    | Qty. | Description          |
|----------|-------------|------|----------------------|
| 1        | 3217-7      | 1    | Nut-Hex              |
| 3        | 3256-24     | 3    | Washer-Flat          |
| 4        | 1-613098    | 2    | Pulley-Idler         |
| 5        | 98-5975     | 3    | Washer-Belleville    |
| 6        | 323-6       | 3    | Screw-HH             |
| 8        | 1-633151    | 1    | Spring-Extension     |
| 9        | 302-40      | 1    | Fitting-Grease       |
| 10       | 1-413099    | 1    | Pulley-Idler         |
| 11       | 99-3879     | 1    | Idler Arm ASM        |
| 11:2     | 1-513034    | 2    | Sleeve-Bearing       |
| 12       | 1-603384    | 1    | Bushing-Pivot, Idler |
| 13       | 3296-29     | 2    | Nut-Lock, NI         |
| 14       | 3217-11     | 2    | Nut-Hex              |
| 15       | 3253-8      | 2    | Washer-Lock          |
| 16       | 1-800344    | 2    | Screw                |
| 17       | 103-1081    | 2    | Strut ASM            |
| 17:1     | 103-1072-01 | 1    | Strut-Deck           |
| 17:2     | 3219-6      | 1    | Nut-Hex              |
| 17:3     | 1-633029    | 1    | Balljoint-Spherical  |
| 18       | 302-19      | 4    | Fitting-Grease       |
| 19       | 1-632199-01 | 2    | Pin-Strut, Deck      |
| 20       | 322-3       | 2    | Screw-HH             |
| 21       | 1-800811    | 8    | Screw-Cap, HH        |
| 22       | 32128-37    | 16   | Nut-HF               |
| 23       | 1-633447    | 4    | Chain-Lift, Deck     |
| 24       | 99-3946-01  | 1    | Plate-Retainer, Bolt |

| Ref. No. | Part No. | Qty. | Description     |
|----------|----------|------|-----------------|
| 25       | 1-800805 | 1    | Screw-HH        |
| 26       | 94-2547  | 1    | Bolt-Eye        |
| 27       | 3296-39  | 2    | Nut-Lock, NI    |
| 28       | 1-809107 | 2    | Washer-Hardened |

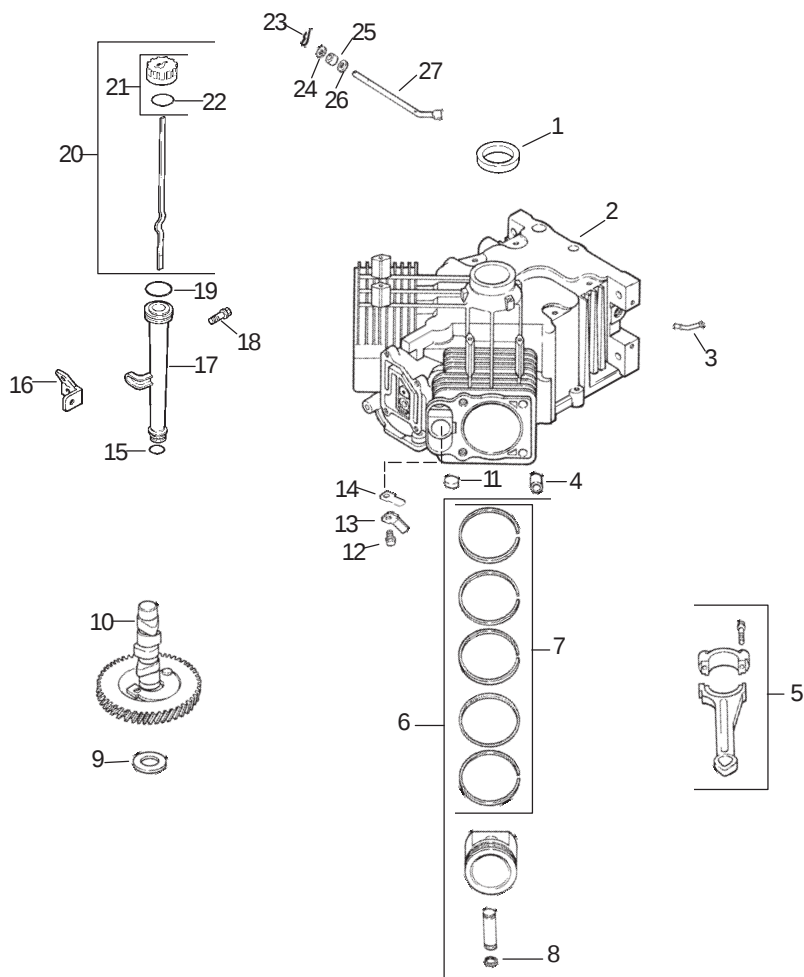
# Electrical Schematic



## Group 1 – Crankshaft Assembly Kohler CV20S-PS65585

| Ref. No. | Part No.    | Qty. | Description             |
|----------|-------------|------|-------------------------|
| 1        | 24 014 32-S | 1    | Crankshaft (Includes 2) |
| 2        | 52 139 09-S | 1    | Plug, cup               |

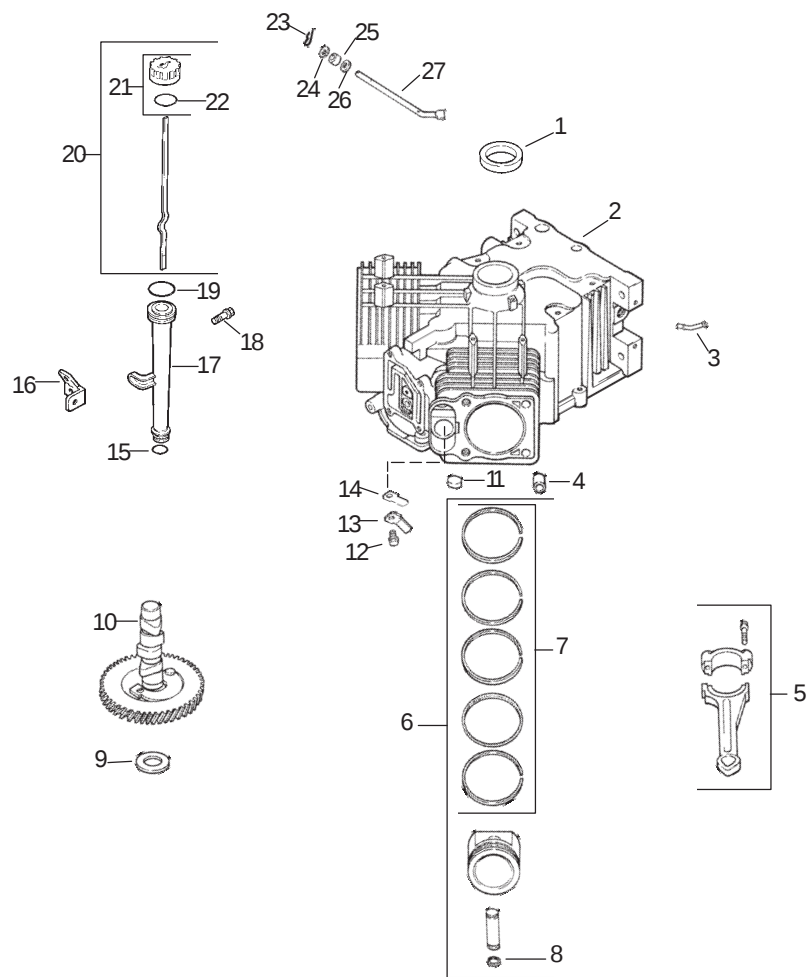
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



## Group 2 – Crankcase Assembly Kohler CV20S-PS65585

| Ref. No. | Part No.    | Qty. | Description                                        | Ref. No. | Part No.    | Qty. | Description                           |
|----------|-------------|------|----------------------------------------------------|----------|-------------|------|---------------------------------------|
| 1        | 24 032 01-S | 1    | Seal, oil front                                    | 10       | 12 422 12-S | 1    | Shim, camshaft (A.R.)                 |
| 2        | N/A         | 1    | Crankcase<br>(Service with Miniblock<br>24 782 24) | 11       | 24 012 10-S | 1    | Camshaft<br>(Includes 11,12)          |
| 3        | 24 294 13-S | 1    | Fitting                                            | 12       | 52 139 09-S | 1    | Plug, cup                             |
| 4        | 24 380 13-S | 6    | Pin, dowel locating                                | 13       | M-545010-S  | 2    | Screw, hex. flange<br>M5x0.8x10       |
| 5        | 24 067 13-S | 2    | Connecting Rod (Std.)                              | 14       | 24 018 04-S | 2    | Retainer, reed                        |
| 6        | 24 067 14-S | 2    | Connecting Rod (.25)                               | 15       | 24 402 05-S | 2    | Reed, breather                        |
| 7        | 24 874 17-S | 2    | Piston w/Ring<br>Set (Std.)<br>(Includes 7,8)      | 16       | 12 153 01-S | 1    | O-Ring,<br>lower oil fill tube        |
| 8        | 24 874 18-S | 2    | Piston w/Ring Set (.25)                            | 17       | 24 126 19-S | 1    | Bracket, oil fill tube                |
| 9        | 24 874 19-S | 2    | Piston w/Ring Set (.50)                            | 18       | 12 123 04-S | 1    | Tube, oil fill                        |
|          | 24 874 14-S | 2    | Piston w/Ring Set (.08)                            | 19       | M-545016-S  | 1    | Screw, hex. flange<br>M5x0.8x16       |
|          | 24 108 11-S | 2    | Ring Set (Std.)                                    | 20       | 12 153 02-S | 1    | O-Ring,<br>upper oil fill tube        |
|          | 24 108 12-S | 2    | Ring Set (.25)                                     | 21       | 24 038 04-S | 1    | Dipstick assembly<br>(Includes 21,22) |
|          | 24 108 13-S | 2    | Ring Set (.50)                                     | 22       | 25 755 13-S | 1    | Kit, oil fill cap<br>(Includes 22)    |
|          | 24 018 01-S | 4    | Retainer, piston pin                               | 23       | 12 153 03-S | 1    | O-Ring, dipstick                      |
|          | 12 422 09-S | 1    | Shim, camshaft (A.R.)                              | 24       | 24 018 09-S | 1    | Ring, retainer                        |
|          | 12 422 13-S | 1    | Shim, camshaft (A.R.)                              |          | M-931010-S  | 1    | Washer, plain 9 mm                    |
|          | 12 422 07-S | 1    | Shim, camshaft (A.R.)                              |          |             |      |                                       |
|          | 12 422 08-S | 1    | Shim, camshaft (A.R.)                              |          |             |      |                                       |
|          | 12 422 10-S | 1    | Shim, camshaft                                     |          |             |      |                                       |
|          | 12 422 11-S | 1    | Shim, camshaft (A.R.)                              |          |             |      |                                       |

Obtain Parts From Kohler

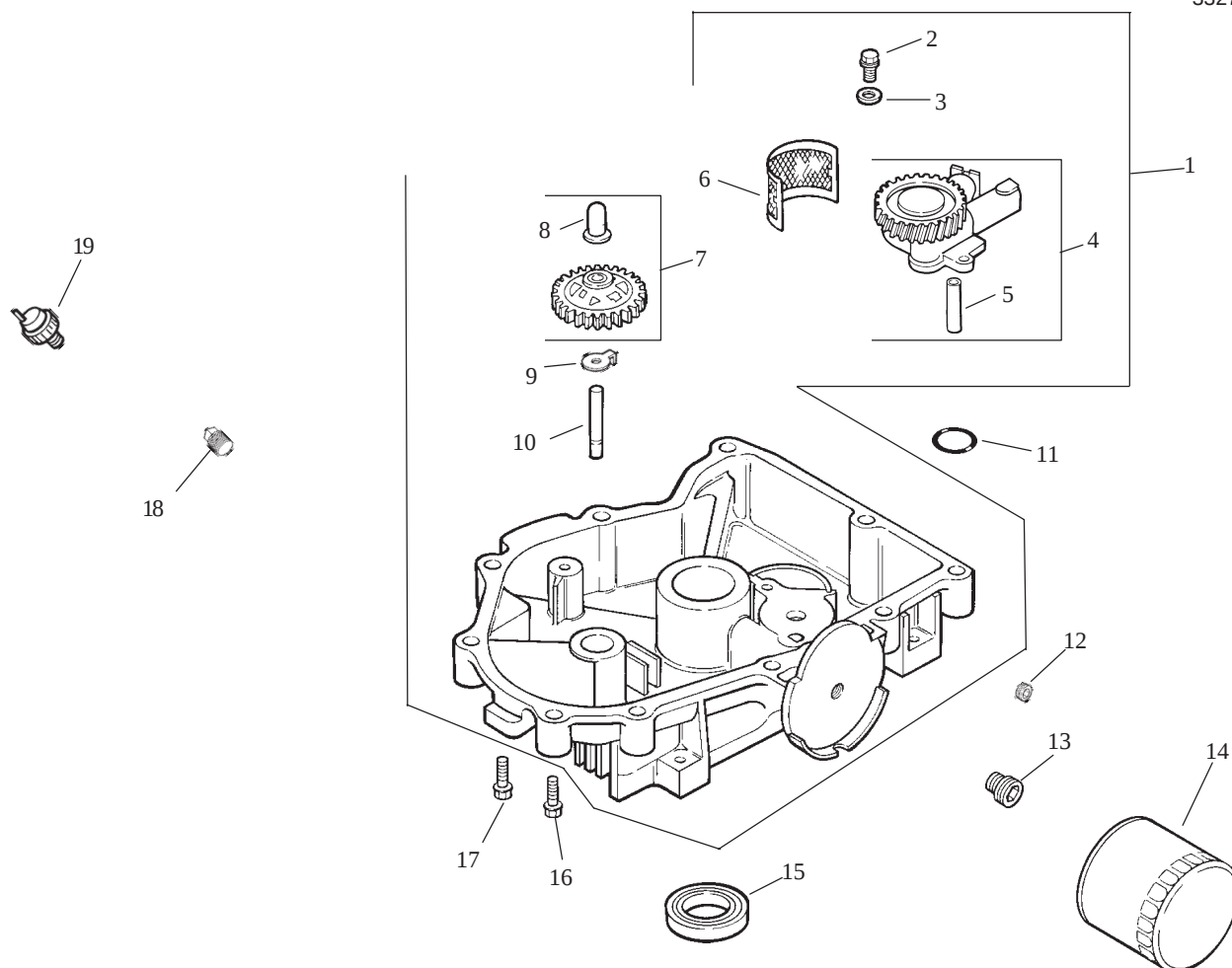


**Group 2 – Crankcase Assembly (Continued)**  
**Kohler CV20S-PS65585**

| Ref. No. | Part No.    | Qty. | Description                |
|----------|-------------|------|----------------------------|
| 25       | 28 032 09-S | 1    | Seal, governor cross shaft |
| 26       | 24 468 15-S | 1    | Washer, plain 1/4"         |
| 27       | 24 144 33-S | 1    | Shaft, governor cross      |

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

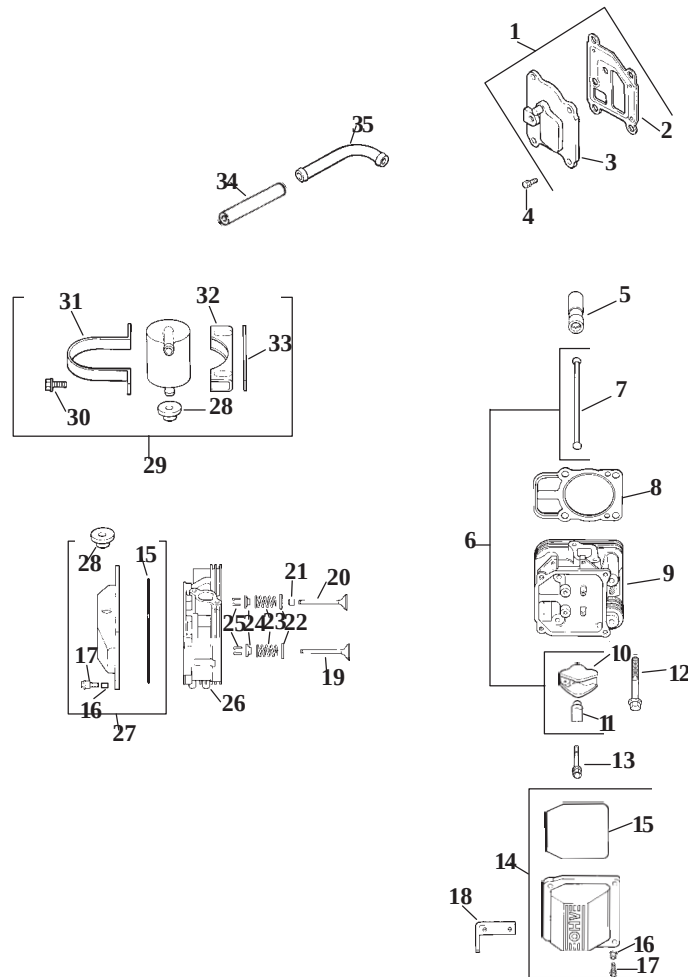
Obtain Parts From Kohler



### Group 3 – Oil Pan/Lubrication Assembly Kohler CV20S-PS65585

| Ref. No. | Part No.    | Qty. | Description                                 | Ref. No. | Part No.    | Qty. | Description                            |
|----------|-------------|------|---------------------------------------------|----------|-------------|------|----------------------------------------|
| 1        | 24 199 07-S | 1    | Pan, oil assembly<br>(Includes 2-10)        | 18       | 25 139 57-S | 1    | M8x1.25x45<br>Plug, pipe               |
| 2        | M-645025-S  | 2    | Screw, hex. flange<br>M6x1.0x25             | 19       | 24 099 03-S | 1    | 3/8" .T.F. sq. hd.<br>Switch, pressure |
| 3        | M-631005-S  | 2    | Washer, plain 6 mm                          |          |             |      |                                        |
| 4        | 24 393 08-S | 1    | Oil pump assembly<br>(Includes 5)           |          |             |      |                                        |
| 5        | 24 123 05-S | 1    | Tube, oil pickup                            |          |             |      |                                        |
| 6        | 24 162 26-S | 1    | Screen, oil                                 |          |             |      |                                        |
| 7        | 24 043 12-S | 1    | Kit, governor gear<br>w/pin<br>(Includes 8) |          |             |      |                                        |
| 8        | 12 380 01-S | 1    | Pin, governor<br>regulating                 |          |             |      |                                        |
| 9        | 52 448 02-S | 1    | Tab, locking                                |          |             |      |                                        |
| 10       | 12 144 02-S | 1    | Shaft, governor gear                        |          |             |      |                                        |
| 11       | 24 153 08-S | 1    | O-Ring                                      |          |             |      |                                        |
| 12       | 25 139 62-S | 1    | Plug, hex. ctsk. 3/8"                       |          |             |      |                                        |
| 13       | 24 136 01-S | 1    | Nipple, oil filter                          |          |             |      |                                        |
| 14       | 52 050 02-S | 1    | Filter, oil                                 |          |             |      |                                        |
| 15       | 52 032 08-S | 1    | Seal, oil (PTO end)                         |          |             |      |                                        |
| 16       | 24 086 17-S | 1    | Screw, hex. flange<br>M8x1.25x45            |          |             |      |                                        |
| 17       | 24 086 16-S | 9    | Screw, hex. flange                          |          |             |      |                                        |

Obtain Parts From Kohler

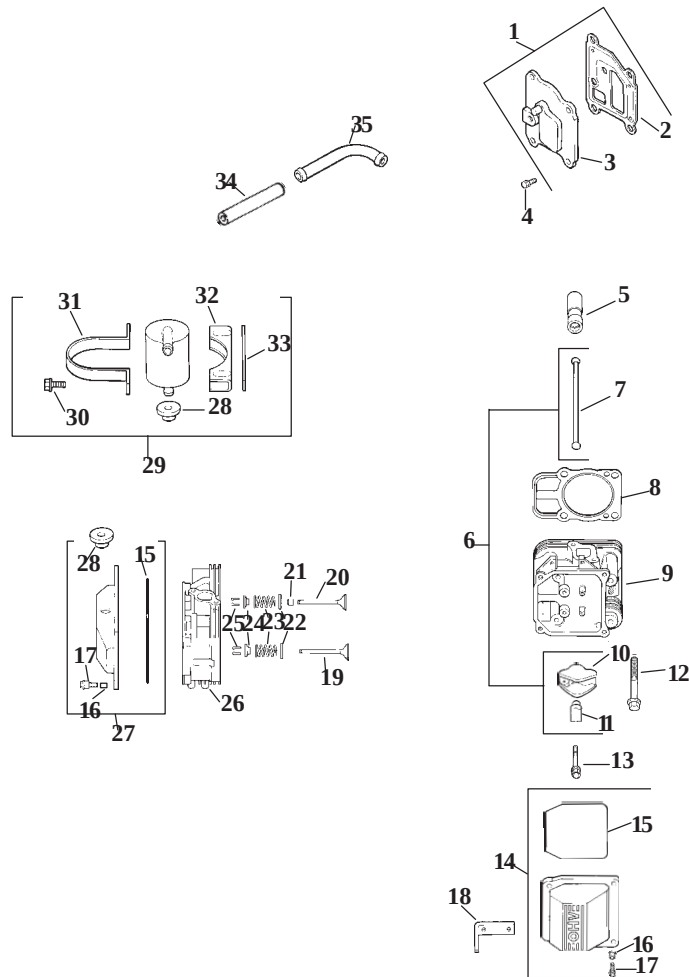


## Group 4 – Head/Valve/Breather Assembly Kohler CV20S-PS65585

| Ref. No. | Part No.    | Qty. | Description                                 |
|----------|-------------|------|---------------------------------------------|
| 1        | 24 033 03-S | 1    | Kit, breather cover w/gasket (Includes 2,3) |
| 2        | 24 041 23-S | 1    | Gasket, breather                            |
| 3        | 24 096 59-S | 1    | Cover, breather                             |
| 4        | M-645020-S  | 4    | Screw, hex. flange M6x1.0x20                |
| 5        | 25 351 01-S | 4    | Lifter, valve                               |
| 6        | 24 755 66-S | 1    | Kit, valve train (Includes 8,11,12)         |
| 7        | 24 411 05-S | 4    | Rod, push                                   |
| 8        | 24 041 08-S | 2    | Gasket, cylinder head                       |
| 9        | 24 318 12-S | 1    | Head assembly, #2 cylinder                  |
| 10       | 25 186 01-S | 4    | Arm, rocker                                 |
| 11       | 24 599 01-S | 4    | Pivot, rocker arm                           |
| 12       | 12 086 16-S | 8    | Screw, hex. flange M10x1.5x90               |
| 13       | M-640034-S  | 4    | Screw, hex. flange M6x1.0x34                |
| 14       | 24 755 75-S | 1    | Kit, valve cover plain (Includes 15-17)     |
| 15       | 24 153 16-S | 1    | O-Ring                                      |
| 16       | 24 112 08-S | 4    | Spacer                                      |
| 17       | M-651030-S  | 4    | Screw, hex. flange                          |

| Ref. No. | Part No.    | Qty. | Description                                   |
|----------|-------------|------|-----------------------------------------------|
| 18       | 24 445 01-S | 1    | Strap, lifting                                |
| 19       | 24 016 01-S | 2    | Valve, exhaust (Std.)                         |
|          | 24 016 02-S | 2    | Valve, exhaust (.25)                          |
| 20       | 24 017 01-S | 2    | Valve, intake (Std.)                          |
|          | 24 017 02-S | 2    | Valve, intake (.25)                           |
| 20       | 24 032 05-S | 2    | Seal, valve stem                              |
| 22       | 235011-S    | 4    | Retainer, spring                              |
| 23       | 24 089 02-S | 4    | Spring, valve                                 |
| 24       | 12 173 01-S | 4    | Cap, valve spring                             |
| 25       | 12 755 03-S | 4    | Kit, retainer                                 |
| 26       | 24 318 11-S | 1    | Head assembly, #1 cylinder                    |
| 27       | 24 755 76-S | 1    | Kit, valve cover-breather (Includes 15-17,28) |
| 28       | 25 313 02-S | 1    | Grommet, rubber                               |
| 29       | 24 755 57-S | 1    | Kit, breather separator (Includes 30,32-35)   |
| 30       | M-545016-S  | 2    | Screw, hex. flange M5x0.8x16                  |
| 31       | 24 445 02-S | 1    | Strap, breather                               |
| 32       | 24 126 44-S | 1    | Bracket, breather separator                   |

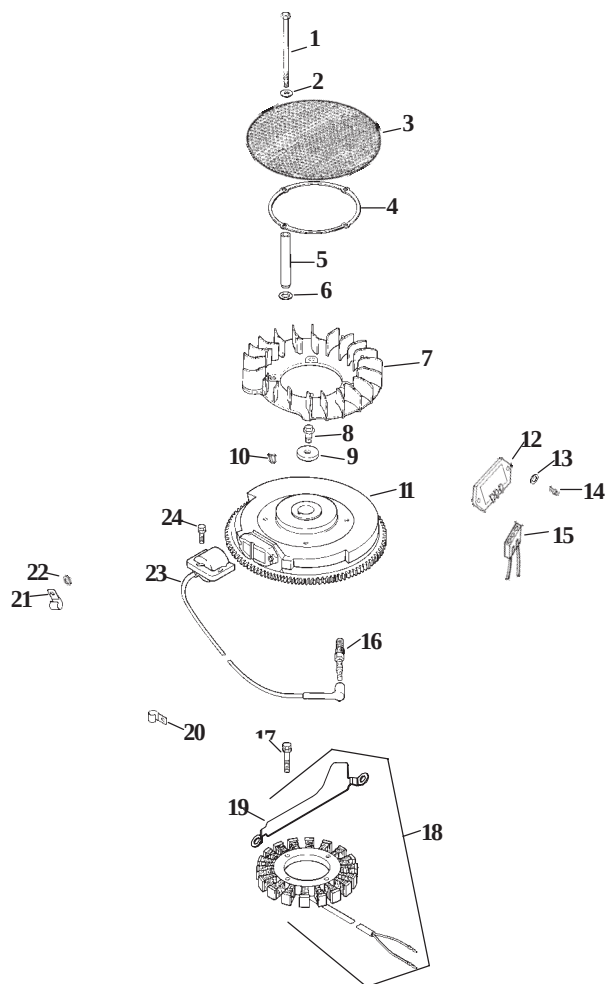
Obtain Parts From Kohler



**Group 4 – Head/Valve/Breather Assembly (Continued)**  
**Kohler CV20S-PS65585**

| Ref. No. | Part No.    | Qty. | Description    |
|----------|-------------|------|----------------|
| 33       | 24 112 12-S | 1    | Spacer         |
| 34       | 24 294 01-S | 1    | Fitting        |
| 35       | 24 326 54-S | 1    | Hose, breather |

## Obtain Parts From Kohler



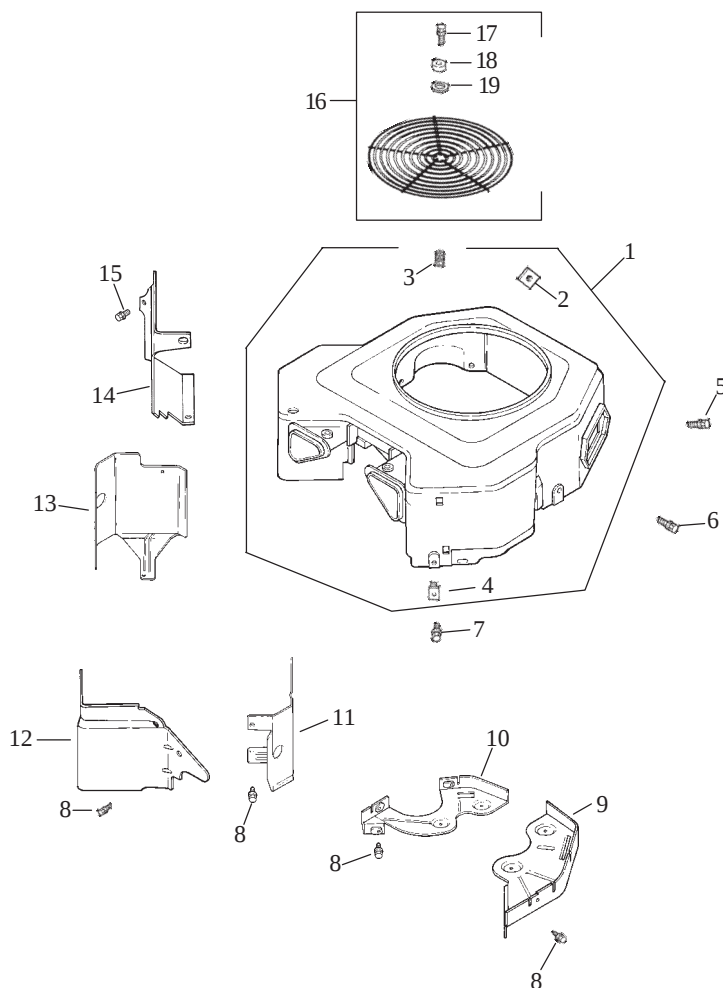
## Group 5 – Ignition/Charging Assembly Kohler CV20S-PS65585

| Ref. No. | Part No.    | Qty. | Description                                         |
|----------|-------------|------|-----------------------------------------------------|
| 1        | 24 755 79-S | 1    | Kit, chopper screen (Includes 2-7, and 41 037 10-S) |
| 2        | M-603100-S  | 4    | Screw, hex. hd. M6x1.0x100                          |
| 3        | X-25-53-S   | 4    | Washer, plain 1/4                                   |
| 4        | 24 162 25-S | 1    | Screen, grass                                       |
| 5        | 24 141 06-S | 1    | Ring, support                                       |
| 6        | 24 112 04-S | 4    | Spacer, grass screen                                |
| 7        | 24 468 11-S | 1    | Screw, set                                          |
| 8        | 24 157 03-S | 1    | Fan                                                 |
| 9        | 12 086 14-S | 1    | Screw, hex. flange M10x1.5x46                       |
| 10       | 12 468 03-S | 1    | Washer, plain 3/8"                                  |
| 11       | X-42-15-S   | 1    | Key                                                 |
| 12       | 24 025 04-S | 1    | Flywheel                                            |
| 13       | 25 403 03-S | 1    | Rectifier-regulator                                 |
| 14       | X-25-92-S   | 2    | Washer, plain 3/16"                                 |
| 15       | 24 086 18-S | 2    | Screw, phillips hd. 11-16x7/8                       |
| 16       | 236602-S    | 1    | Connector (3 contact)                               |
| 17       | 12 132 02-S | 2    | Spark Plug                                          |
| 18       | M-548025-S  | 2    | Screw, hex. cap M5x0.8x25                           |

| Ref. No. | Part No.    | Qty. | Description                                                                   |
|----------|-------------|------|-------------------------------------------------------------------------------|
| 19       | 54 755 09-S | 1    | Kit, 15 amp stator (Includes 20)                                              |
| 20       | 24 126 71-S | 1    | Bracket, stator wire                                                          |
| 21       | 235173-S    | 1    | Clip, cable                                                                   |
| 22       | 48 154 02-S | 1    | Clip, cable                                                                   |
| 23       | X-25-63-S   | 1    | Washer, plain 1/4"                                                            |
| 24       | 24 584 01-S | 2    | Module, ignition                                                              |
| 25       | M-545020-S  | 4    | Screw, hex. flange M5x0.8x20                                                  |
| *        | X-22-11-S   | 1    | Washer, lock 1/4" (to ground rectifier-regulator)                             |
| *        |             |      |                                                                               |
| *        | 24 176 07-S | 1    | Harness, wiring                                                               |
| *        | 24 518 12-S | 1    | Lead, black (rectifier-regulator 5"-12 gauge – insulated grip barrel eyelets) |
| *        | 24 113 18-S | 1    | Decal, grass screen                                                           |
| *        | 25 454 03-S | 3    | Tie, wire                                                                     |

\* Not Illustrated

**Obtain Parts From Kohler**



## Group 6 – Blower Housing Assembly Kohler CV20S-PS65585

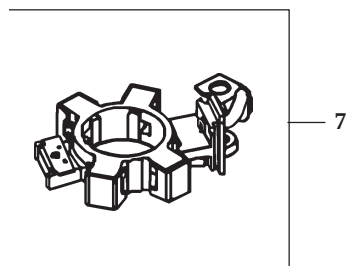
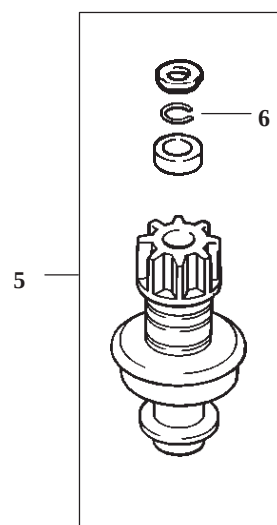
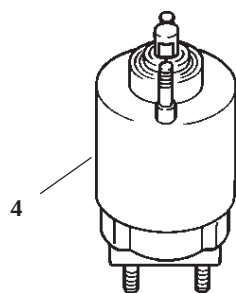
| Ref. No. | Part No.     | Qty. | Description                                        | Ref. No. | Part No.     | Qty. | Description                                     |
|----------|--------------|------|----------------------------------------------------|----------|--------------|------|-------------------------------------------------|
| 1        | 24 027 119-S | 1    | Housing, blower<br>(Includes 2-4 &<br>24 332 01-S) | 15       | M-545010-S   | 2    | Screw, hex. flange<br>M5x0.8x10                 |
| 2        | 24 100 01-S  | 2    | Nut, plastic                                       | 16       | 24 755 94-S  | 1    | Kit, guard<br>(Includes 17-19 &<br>24 332 01-S) |
| 3        | 25 086 43-S  | 1    | Screw, set                                         | 17       | 24 086 39-S  | 3    | Screw, pan hd.<br>M5x0.8x15                     |
| 4        | 24 100 02-S  | 2    | Nut, plastic                                       | 18       | 24 112 09-S  | 3    | Spacer                                          |
| 7        | M-545020-S   | 4    | Screw, hex. flange<br>M5x0.8x20                    | 19       | 24 468 10-S  | 3    | Washer, plain 1/4"                              |
| 8        | M-545016-S   | 3    | Screw, hex. flange<br>M5x0.8x16                    |          | *24 332 01-S | 3    | Insert, threaded                                |
| 5        | M-551016-S   | 1    | Screw, hex. flange<br>M5x0.8x16                    |          | *24 113 95-S | 1    | Decal, 20 HP                                    |
| 8        | M-645016-S   | 6    | Screw, hex. flange<br>M6x1.0x16                    |          |              |      |                                                 |
| 9        | 24 146 16-S  | 1    | Plate, backing –<br># 2 side                       |          |              |      |                                                 |
| 10       | 24 146 20-S  | 1    | Plate, backing –<br># 1 side                       |          |              |      |                                                 |
| 11       | 24 063 20-S  | 1    | Baffle, cylinder barrel<br>#2 side                 |          |              |      |                                                 |
| 12       | 24 063 14-S  | 1    | Baffle, valley – #2 side                           |          |              |      |                                                 |
| 13       | 24 063 58-S  | 1    | Baffle, cylinder barrel–<br># 1 side               |          |              |      |                                                 |
| 14       | 24 063 23-S  | 1    | Baffle, valley – #1 side                           |          |              |      |                                                 |

\* Not Illustrated

**Obtain Parts From Kohler**



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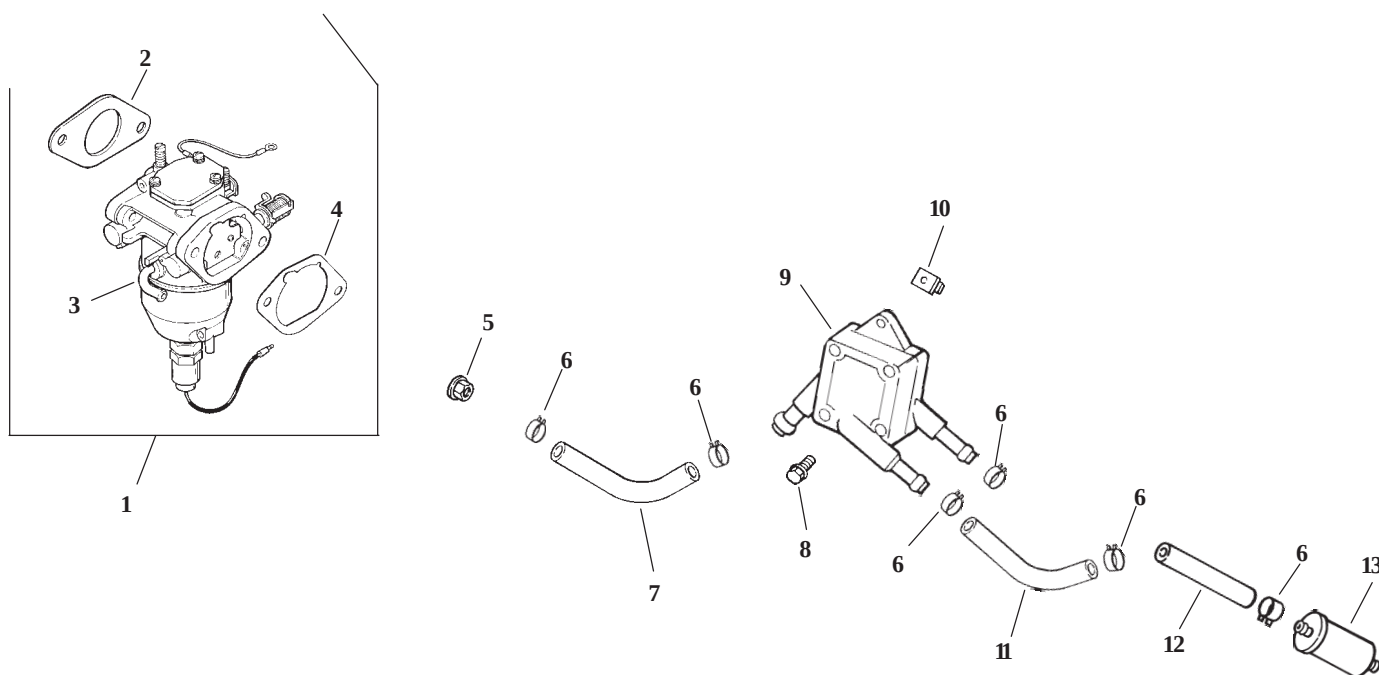


## Group 7 – Starter Assembly Kohler CV20S-PS65585

| Ref. No. | Part No.    | Qty. | Description                               |
|----------|-------------|------|-------------------------------------------|
| 1        | M-839080-S  | 2    | Screw, hex. flange<br>M8x1.25x80          |
| 2        | 25 098 08-S | 1    | Starter, solenoid shift<br>(Includes 3-7) |
| 3        | M-841080-S  | 1    | Nut, hex. flange<br>M8x1.25               |
| 4        | 25 435 04-S | 1    | Solenoid                                  |
| 5        | 25 755 33-S | 1    | Kit, drive (Includes 6)                   |
| 6        | 25 141 05-S | 1    | Ring                                      |
| 7        | 25 221 01-S | 1    | Kit, brush                                |

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

## Obtain Parts From Kohler

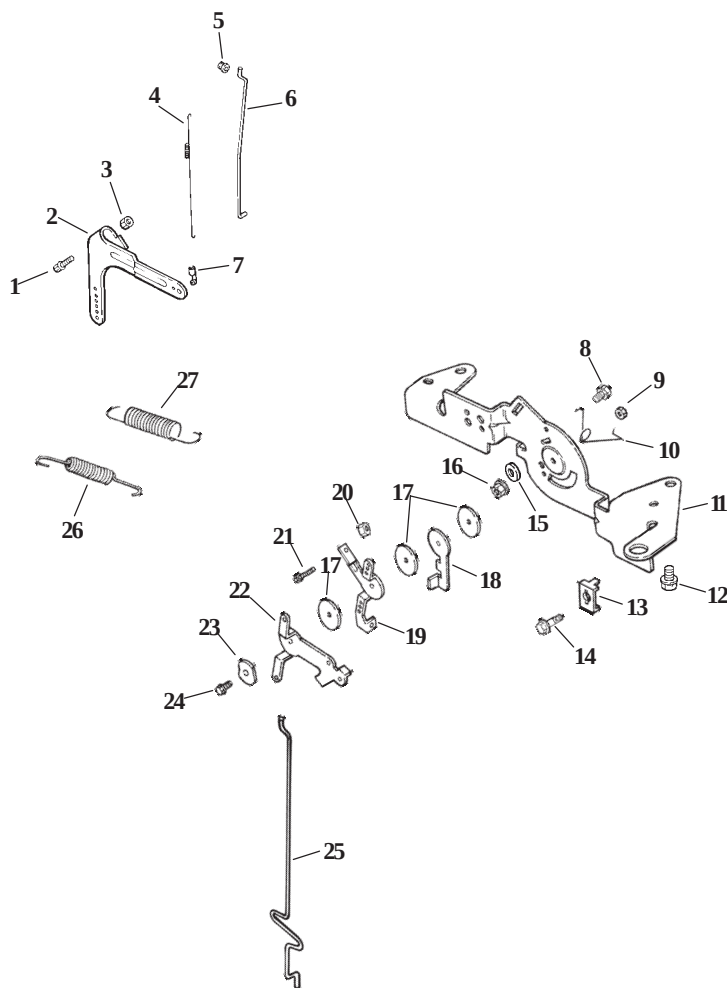


## Group 8 – Fuel System Assembly Kohler CV20S-PS65585

| Ref. No. | Part No.    | Qty. | Description                                                                                                                                  | Ref. No. | Part No.    | Qty. | Description                         |
|----------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|------|-------------------------------------|
| 1        | 24 853 17-S | 1    | Kit, carburetor w/gaskets (Includes 2-4)                                                                                                     | 12       | 25 353 03-S | 1    | Line, fuel 12-1/3"                  |
| 2        | 24 041 15-S | 1    | Gasket, carburetor                                                                                                                           | 13       | 24 050 02-S | 1    | Filter, fuel                        |
| 3        | 24 053 17   | 1    | Carburetor assembly (For information only not available separately) (Service with kits 24 757 18-S, 24 757 19-S, 24 757 20-S, & 24 757 22-S) | *        | 24 757 18-S | 1    | Kit, overhaul w/gaskets             |
| 4        | 24 041 14-S | 1    | Gasket, air cleaner base                                                                                                                     | *        | 24 757 19-S | 1    | Kit, choke repair w/gaskets         |
| 5        | M-641060-S  | 2    | Nut, hex. flange M6x0.8                                                                                                                      | *        | 24 757 20-S | 1    | Kit, gasket w/gaskets               |
| 6        | X-426-9-S   | 6    | Clamp, hose                                                                                                                                  | *        | 24 757 22-S | 1    | Kit, solenoid replacement w/gaskets |
| 7        | 24 353 33-S | 1    | Line, fuel                                                                                                                                   |          |             |      |                                     |
| 8        | 24 086 12-S | 2    | Screw, hex. cap M6x1.7x18                                                                                                                    |          |             |      |                                     |
| 9        | 24 393 16-S | 1    | Pump, fuel                                                                                                                                   |          |             |      |                                     |
| 10       | 24 100 01-S | 2    | Nut, plastic                                                                                                                                 |          |             |      |                                     |
| 11       | 24 353 03-S | 1    | Line, fuel 10-5/8"                                                                                                                           |          |             |      |                                     |

\* Not Illustrated

**Obtain Parts From Kohler**

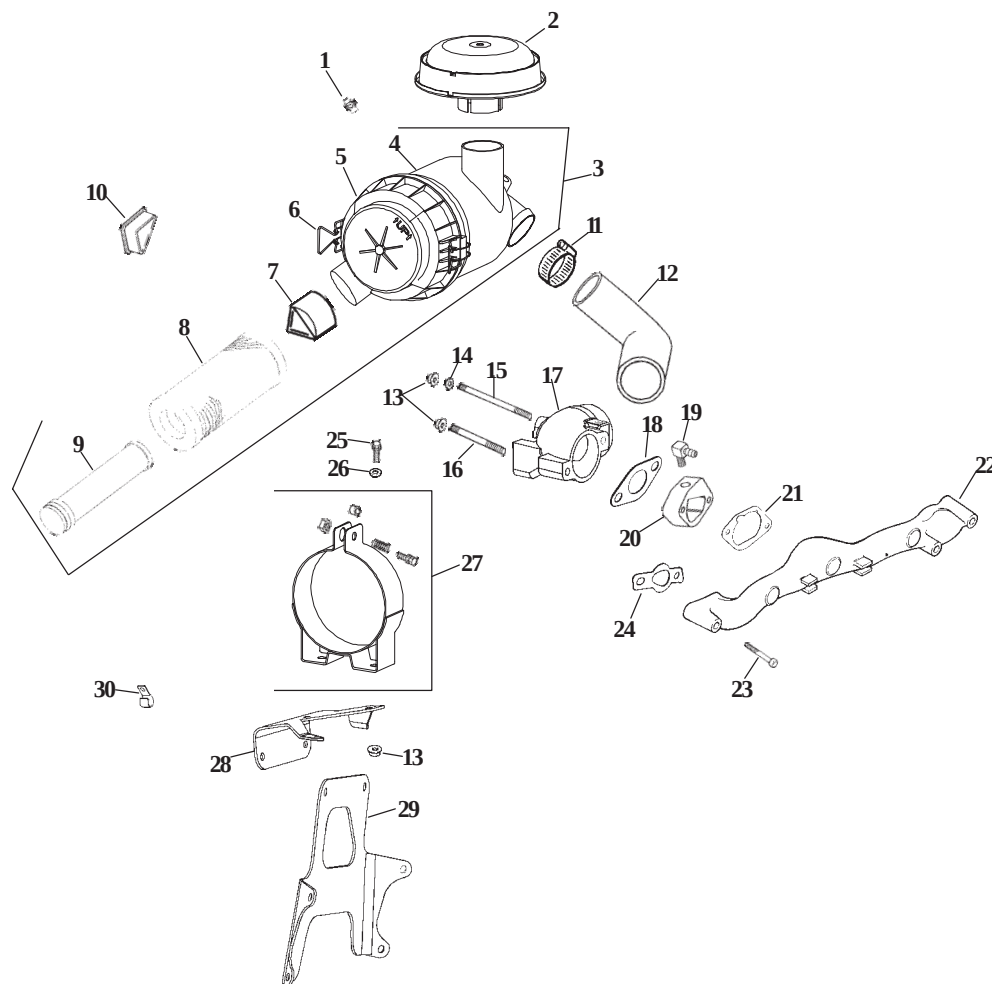


## Group 9 – Engine Control Assembly Kohler CV20S-PS65585

| Ref. No. | Part No.    | Qty. | Description                         |
|----------|-------------|------|-------------------------------------|
| 1        | 24 211 03-S | 1    | Bolt, rd. hd. sq. neck<br>M6x1.0x25 |
| 2        | 24 090 33-S | 1    | Lever, governor                     |
| 3        | M-641060-S  | 1    | Nut, hex. flange<br>M6x1.0          |
| 4        | 24 089 01-S | 1    | Spring, linkage                     |
| 5        | 25 158 08-S | 1    | Bushing, linkage<br>retaining       |
| 6        | 24 079 04-S | 1    | Linkage, throttle                   |
| 7        | 25 158 11-S | 2    | Bushing, throttle<br>linkage        |
| 11       | 24 126 59-S | 1    | Bracket, control                    |
| 12       | M-645016-S  | 4    | Screw, hex. flange<br>M6x1.0x16     |
| 13       | 12 237 01-S | 2    | Clamp, cable                        |
| 14       | M-545016-S  | 2    | Screw, hex. flange<br>M5x0.8x16     |
| 15       | 24 090 07-S | 1    | Lever, throttle control             |
| 16       | X-20-1-S    | 1    | Washer, lock                        |
| 17       | M-541050-S  | 1    | Nut, hex. flange<br>M5x0.8          |
| 18       | 24 468 01-S | 3    | Washer                              |
| 19       | 24 089 46-S | 1    | Spring, governor                    |
| 20       | M-446030-S  | 1    | Nut, hex. M4x0.7                    |

| Ref. No. | Part No.    | Qty. | Description              |
|----------|-------------|------|--------------------------|
| 21       | 24 090 03-S | 1    | Lever, throttle control  |
| 22       | M-403025-S  | 1    | Screw, hex. flange       |
| 23       | 24 089 51-S | 1    | Spring, throttle limiter |
| 24       | 24 090 05-S | 1    | Lever, choke             |
| 26       | 41 468 03-S | 1    | Washer, wave             |
| 27       | 24 079 05-S | 1    | Linkage, choke           |

Obtain Parts From Kohler

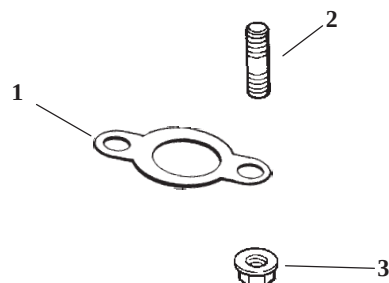


## Group 10 – Air Intake/Filtration Assembly Kohler CV20S-PS65585

| Ref. No. | Part No.    | Qty. | Description                          | Ref. No. | Part No.     | Qty. | Description                   |
|----------|-------------|------|--------------------------------------|----------|--------------|------|-------------------------------|
| 1        | 25 139 20-S | 1    | Plug, pipe                           | 17       | 24 029 43-S  | 1    | Adapter, elbow                |
| 2        | 25 324 02-S | 1    | Hood, air cleaner                    | 18       | 24 041 44-S  | 1    | Gasket, air cleaner adapter   |
| 3        | 25 048 07-S | 1    | Assembly, air cleaner (Includes 4-9) | 19       | 25 155 38-S  | 1    | Connector, hose               |
| 4        | 25 081 01-S | 1    | Housing, heavy duty air cleaner      | 20       | 24 029 44-S  | 1    | Adapter, breather fitting     |
| 5        | 25 096 06-S | 1    | Cover assembly, plastic air cleaner  | 21       | 24 041 14-S  | 1    | Gasket, air cleaner base      |
| 6        | 25 154 05-S | 2    | Clip                                 | 22       | 24 164 06-S  | 1    | Manifold, intake              |
| 7        | 24 462 07-S | 1    | Valve, dust ejector                  | 23       | 25 086 84-S  | 4    | Screw, hex. flange M6x1.0x55  |
| 8        | 25 083 01-S | 1    | Element, air cleaner primary         | 24       | 24 041 01-S  | 2    | Gasket, intake manifold       |
| 9        | 25 083 04-S | 1    | Element, air cleaner safety          | 25       | M-639016-S   | 2    | Screw, hex. flange M6x1.0x16  |
| 10       | 24 096 17-S | 2    | Cover, blower housing                | 26       | X-25-73-S    | 2    | Washer, plain 1/4             |
| 11       | 25 237 07-S | 2    | Clamp, hose                          | 27       | 25 126 02-S  | 1    | Bracket, air cleaner          |
| 12       | 24 326 53-S | 1    | Hose, air cleaner                    | 28       | 24 126 104-S | 1    | Bracket, air cleaner mounting |
| 13       | M-647060-S  | 4    | Nut, hex. lock M6x1.0x60             | 29       | 24 126 105-S | 1    | Bracket, main support         |
| 14       | 25 468 01-S | 1    | Washer, copper 1/4                   | 30       | 47 154 01-S  | 1    | Clip, cable                   |
| 15       | 24 072 10-S | 1    | Stud M6x1.0x180                      |          | *25 454 04-S | 1    | Tie, wire                     |
| 16       | M-629140-S  | 1    | Stud, carburetor M6x1.0x40           |          |              |      |                               |

\* Not Illustrated

**Obtain Parts From Kohler**



## Group 11 – Exhaust Assembly Kohler CV20S–PS65585

| Ref. No. | Part No.     | Qty. | Description                 |
|----------|--------------|------|-----------------------------|
| 1        | 24 041 02-S  | 2    | Gasket, exhaust             |
| 2        | 25 072 04-S  | 4    | Stud, M8x1.25x33 (4)        |
| 3        | M-841080-S   | 4    | Nut, hex. flange<br>M8x1.25 |
|          | 24 522 233   | 1    | Short Block                 |
|          | 24 782 24    | 1    | Miniblock                   |
|          | 24 755 107-S | 1    | Gasket Set                  |

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

## Obtain Parts From Kohler

## Maintenance Record

[illegible]

## Maintenance Record

[illegible]

## Maintenance Record

[illegible]

