



## Z500

### Z Master<sup>®</sup> with 52in TURBO FORCE Side Discharge Mower

Model No. 74242—240000001 and Up

## Parts Catalog

### Ordering Replacement Parts

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

### Understanding Reference Numbers

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

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

### Service Assembly Reference Numbers

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

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

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

### Reference Numbers Indicating Quantity

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

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

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## Accessories

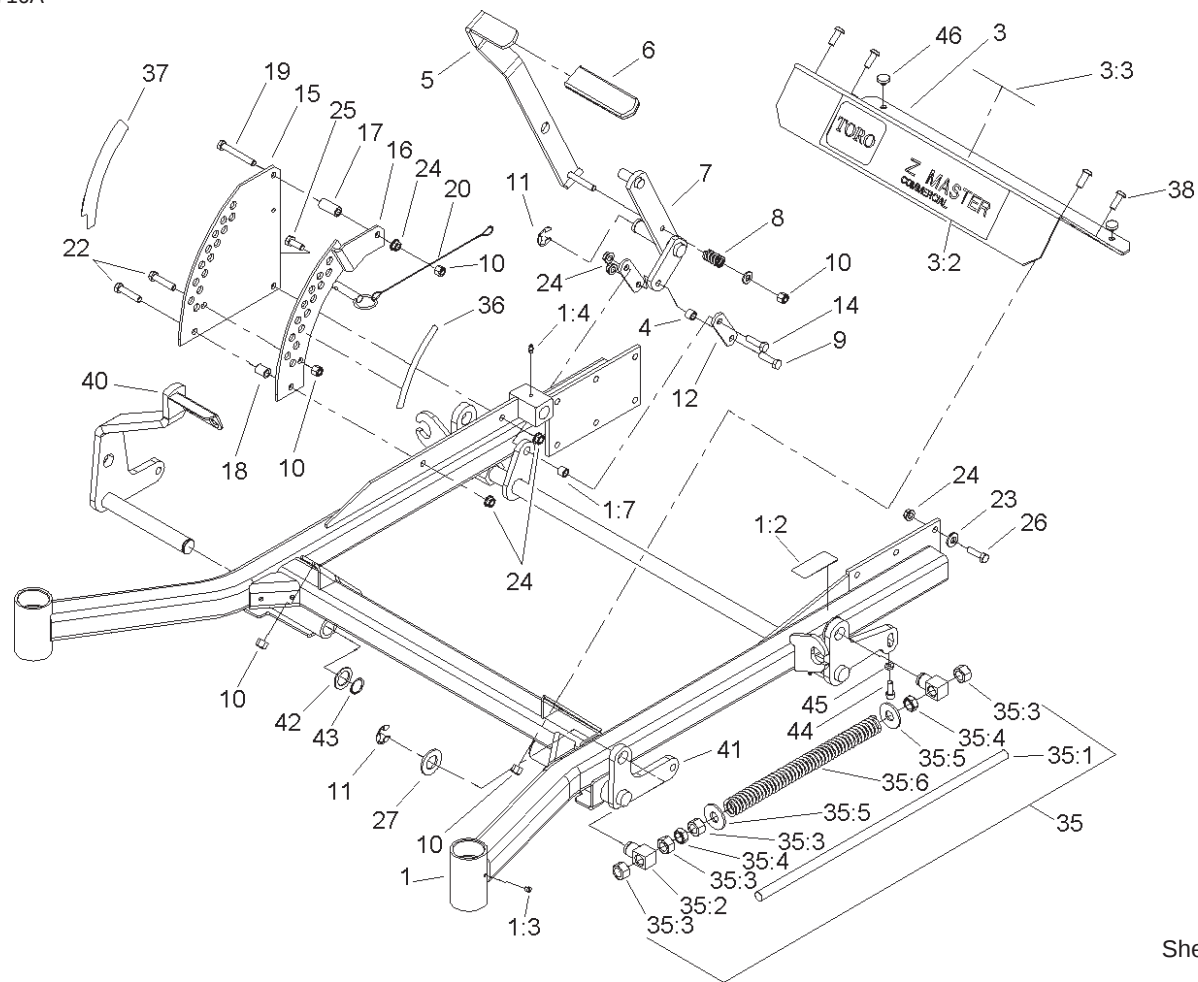
| <b>Description</b>        | <b>Model / Part No.</b> |
|---------------------------|-------------------------|
| Suspension Seat Kit ..... | 99–8522                 |
| Deck Lift Assist .....    | 100–4336                |
| Hitch Kit .....           | 99–8925                 |
| Spark Arrester Kit .....  | 105–1672                |
| Filter Minder .....       | 99–4664                 |
| Z–Stand Kit .....         | 105–1622                |

| <b>Description</b>   | <b>Model / Part No.</b> |
|----------------------|-------------------------|
| Recycler Kit .....   | 107–1610                |
| Blade–Hi Flow .....  | 105–7781–03             |
| Blade–Recycler ..... | 105–7779–03             |
| Blade–Mid Flow ..... | 105–7774–03             |
| Blade–Low Flow ..... | 105–7795–03             |
| Blade–Atomic .....   | 105–7796–03             |

## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

| Abbreviation | Meaning                           | Abbreviation | Meaning                 |
|--------------|-----------------------------------|--------------|-------------------------|
| AR .....     | as required                       | HYD .....    | hydraulic               |
| ASM .....    | assembly                          | INC .....    | incorporated            |
| CARR .....   | carriage                          | LH .....     | left hand               |
| DEG .....    | degrees                           | NI .....     | nylon insert            |
| FH .....     | flat head                         | PPH .....    | Phillips pan head       |
| GA .....     | gauge                             | PTH .....    | Phillips truss head     |
| HF .....     | hex flange                        | PTO .....    | power take off          |
| HH .....     | hex head                          | RH .....     | right hand              |
| HHF .....    | hex head flange                   | SFH .....    | slotted fillister head  |
| HLH .....    | hex lag head                      | SHH .....    | slotted hex head        |
| HJ .....     | hex jam                           | SQH .....    | square head             |
| HOC .....    | height-of-cut                     | SHWH .....   | slotted hex washer head |
| HS .....     | hex socket                        | SPH .....    | slotted pan head        |
| HSBH .....   | hex socket button head            | SRH .....    | slotted round head      |
| HSFH .....   | hex socket flat head              | STD .....    | standard                |
| HSH .....    | hex socket head                   | TAP .....    | self tapping            |
| HWH .....    | hex washer head                   | TTH .....    | Torx truss head         |
| HWHTF .....  | hex washer head<br>thread forming | WH .....     | wing head               |



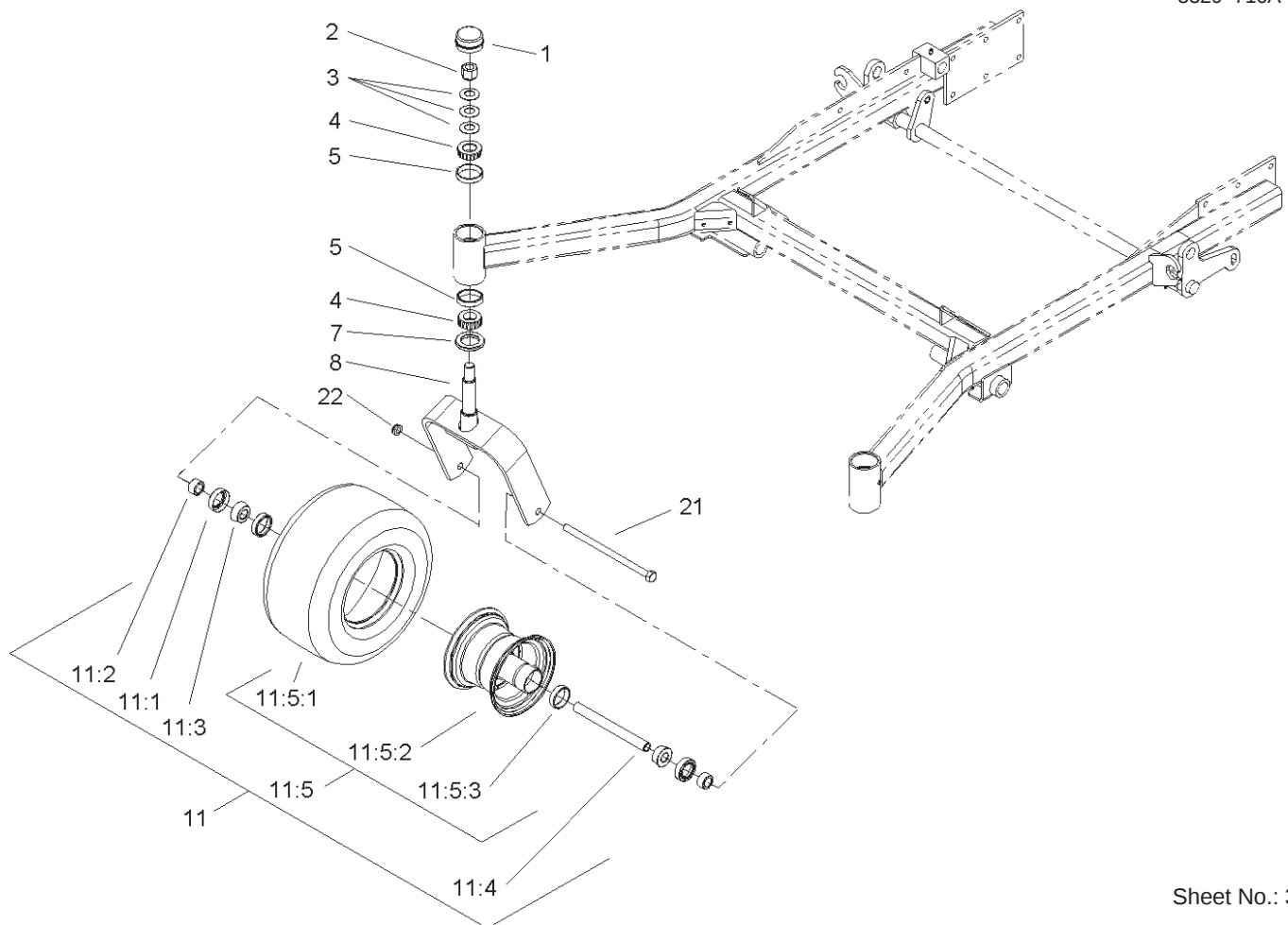
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## Front Frame Assembly

| Ref. No. | Part No.    | Qty. | Description               |
|----------|-------------|------|---------------------------|
| 1        | 106-8978    | 1    | Frame ASM                 |
| 1:2      | 107-1857    | 1    | Decal-Brake, Parking      |
| 1:3      | 1-811010    | 2    | Plug                      |
| 1:4      | 302-19      | 5    | Fitting-Grease            |
| 1:7      | 103-1918    | 1    | Bushing                   |
| 3        | 106-9981    | 1    | Front Floorpan ASM        |
| 3:2      | 106-7451    | 1    | Decal                     |
| 3:3      | 107-2112    | 1    | Decal-Warning, Slope Rops |
| 4        | 103-1918    | 1    | Bushing                   |
| 5        | 103-2083-03 | 1    | Lever-Lift                |
| 6        | 1-633295    | 1    | Grip-Lever, Lift          |
| 7        | 103-2064-03 | 1    | Arm-Lift, Deck            |
| 8        | 1-633325    | 1    | Spring-Compression        |
| 9        | 3256-24     | 1    | Washer-Flat               |
| 10       | 3296-39     | 9    | Nut-Lock, NI              |
| 11       | 32151-103   | 5    | Ring-Snap                 |
| 12       | 1-633068    | 2    | Arm-Lift, Deck            |
| 14       | 323-29      | 2    | Screw-HH                  |
| 15       | 1-633889-01 | 1    | Plate-Lift, Deck          |
| 16       | 1-632899-01 | 1    | Plate-Lift, Deck          |
| 17       | 1-633082    | 1    | Bushing-Lever, Lift       |
| 18       | 1-633080    | 1    | Bushing-Lever, Lift       |
| 19       | 323-13      | 1    | Screw-HH                  |
| 20       | 106-9951    | 1    | Hitch Pin ASM             |
| 22       | 323-9       | 2    | Screw-HH                  |

| Ref. No. | Part No.    | Qty. | Description             |
|----------|-------------|------|-------------------------|
| 23       | 98-5975     | 12   | Washer-Belleville       |
| 24       | 3290-357    | 15   | Nut-HHF                 |
| 25       | 323-6       | 1    | Screw-HH                |
| 26       | 323-7       | 12   | Screw-HH                |
| 27       | 3256-29     | 4    | Washer-Flat             |
| ☆35      |             | 2    | Front Frame Spring ASM  |
| 35:1     | 1-633096    | 1    | Rod-Lift, Deck          |
| 35:2     | 1-633441    | 2    | Swivel-Deck Mount, Rear |
| 35:3     | 3217-11     | 4    | Nut-Hex                 |
| 35:4     | 3218-6      | 2    | Nut-Jam                 |
| 35:5     | 3256-7      | 2    | Washer-Flat             |
| 35:6     | 1-633064    | 1    | Spring-Support, Deck    |
| 36       | 107-1861    | 1    | Decal-Height, Deck      |
| 37       | 107-1860    | 1    | Decal-Height, Deck      |
| 38       | 3274-94     | 4    | Screw-HSBH              |
| 40       | 106-8983-01 | 1    | RH Deck Lift ASM        |
| 41       | 106-8984-01 | 1    | LH Deck Lift ASM        |
| 42       | 1-523157    | 2    | Washer-Spacer           |
| 43       | 32151-29    | 2    | Ring-Retaining          |
| 44       | 3274-18     | 2    | Screw-HSH               |
| 45       | 3218-2      | 2    | Nut-Jam                 |
| 46       | 1-513658    | 2    | Bumper                  |

☆ Not serviced separately



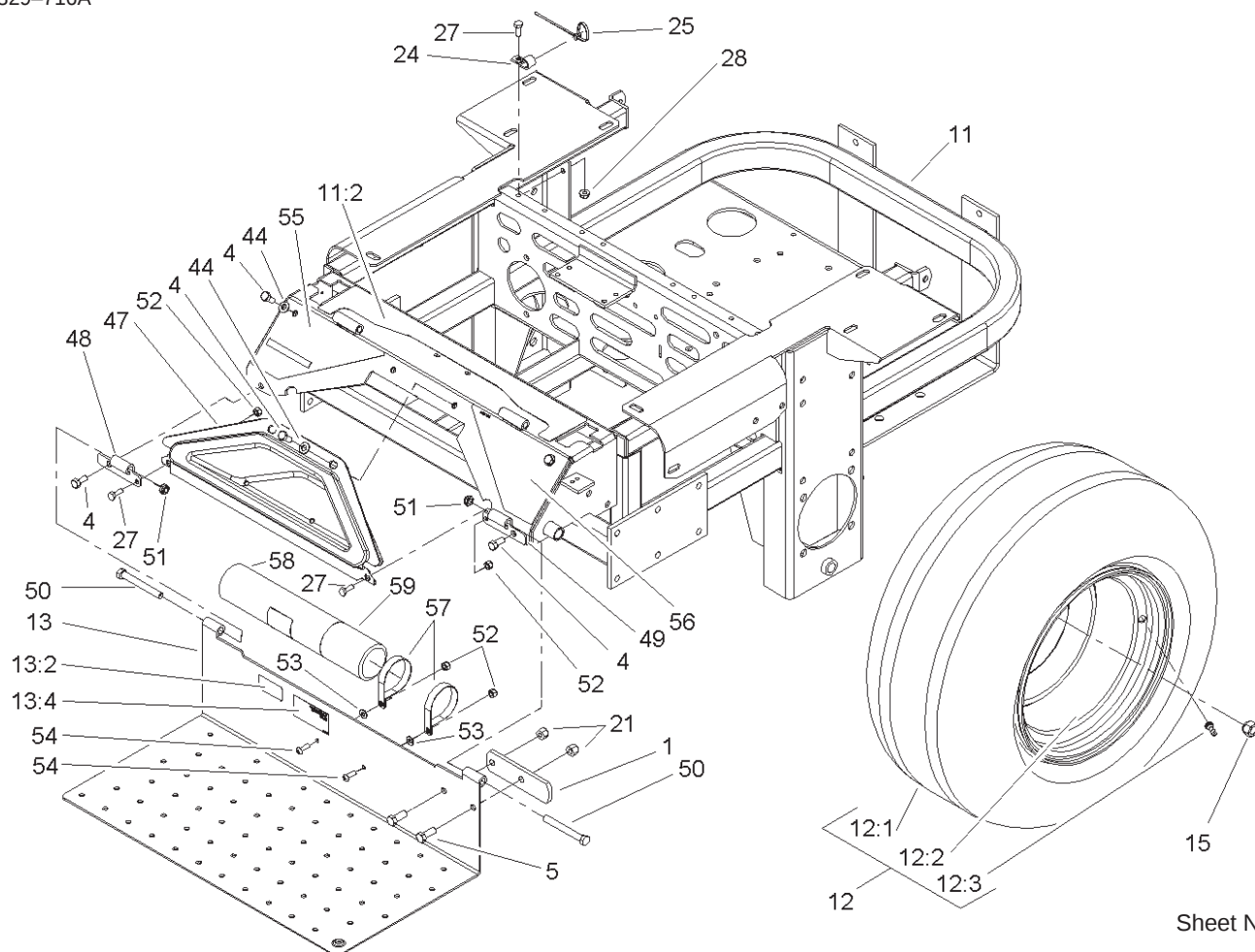
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## Caster and Wheel Assembly

| Ref. No. | Part No.    | Qty. | Description          |
|----------|-------------|------|----------------------|
| 1        | 1-543513    | 2    | Cap-Grease           |
| 2        | 3296-51     | 2    | Nut-Lock, NI         |
| 3        | 1-633508    | 6    | Washer-Bellville     |
| 4        | 254-94      | 4    | Bearing-Cone, Taper  |
| 5        | 254-72      | 4    | Bearing-Cup, Tapered |
| 7        | 1-543511    | 2    | Seal-Grease          |
| 8        | 1-642111-01 | 2    | Caster               |
| 11       | 1-644251    | 2    | Caster Wheel ASM     |
| 11:1     | 1-633580    | 2    | Seal-Bearing         |
| 11:2     | 1-633581    | 2    | Spacer-Bearing       |
| 11:3     | 1-633585    | 2    | Bearing-Cone, Taper  |
| 11:4     | 1-633959    | 1    | Spacer-Caster, Front |
| ☆11:5    |             | 1    | Wheel And Tire ASM   |
| 11:5:1   | 1-523009    | 1    | Tire                 |
| 11:5:2   | 1-633987    | 1    | Wheel                |
| 11:5:3   | 1-633584    | 2    | Bearing-Cup          |
| 21       | 325-24      | 2    | Screw-HH             |
| 22       | 3296-45     | 2    | Nut-Lock, NI         |

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

☆ Not serviced separately

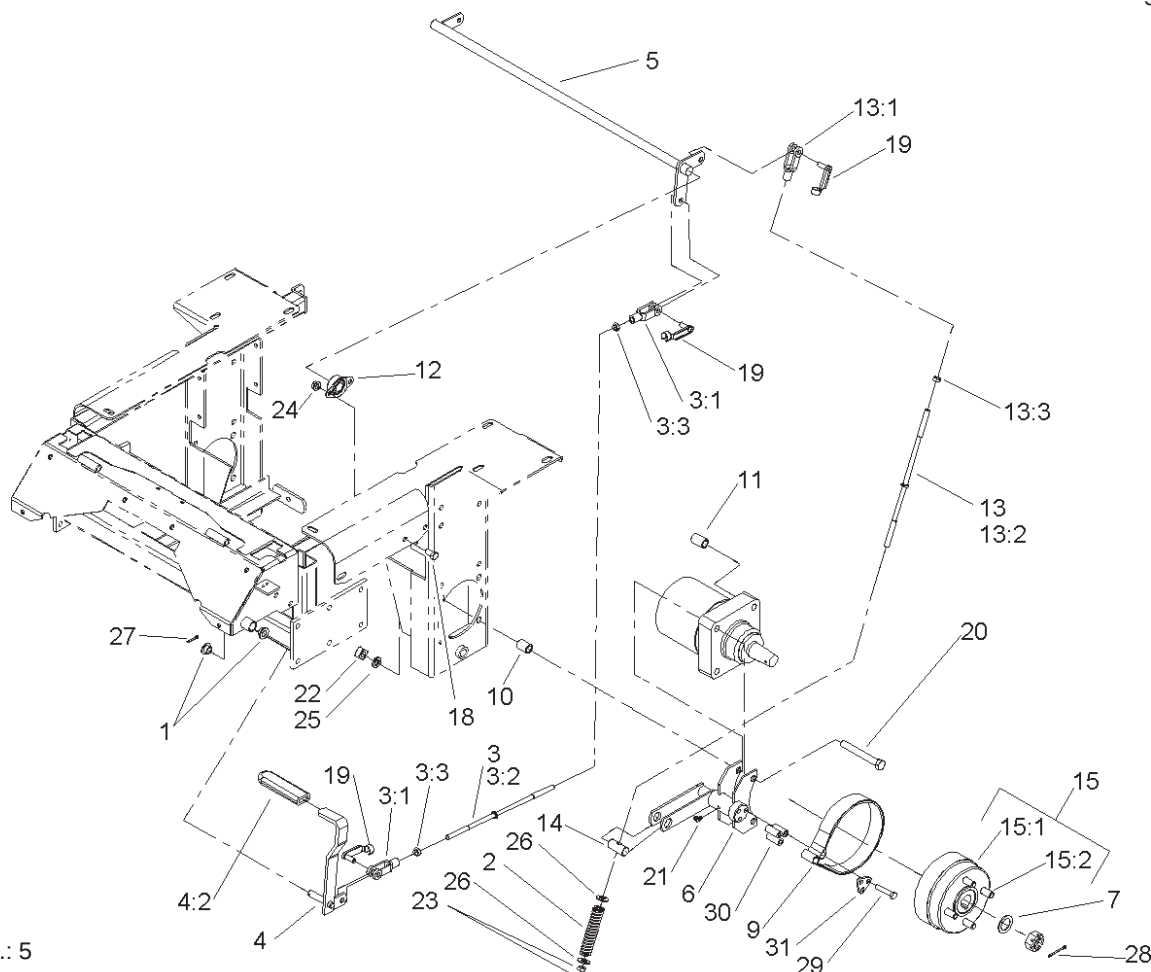


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## Main Frame Assembly

| Ref. No. | Part No.    | Qty. | Description            |
|----------|-------------|------|------------------------|
| 1        | 1-633964-03 | 1    | Stop-Brake, Park       |
| 4        | 322-43      | 6    | Screw-HH               |
| 5        | 323-6       | 2    | Screw-HH               |
| 11       | 106-6599    | 1    | Main Frame ASM         |
| 11:2     | 103-2433    | 1    | Decal-Console, Top     |
| 12       | 1-653010    | 2    | Wheel And Tire ASM     |
| 12:1     | 1-653160    | 1    | Tire                   |
| 12:2     | 1-653158    | 1    | Wheel                  |
| 12:3     | 232-27      | 1    | Stem-Valve             |
| 13       | 107-1858    | 1    | Rear Floorpan ASM      |
| 13:2     | 98-4387     | 1    | Decal-Protection, Ear  |
| 13:4     | 107-1864    | 1    | Decal-Location, Manual |
| 15       | 242-50      | 8    | Nut-Lug                |
| 21       | 3296-39     | 2    | Nut-Lock, NI           |
| 24       | 1-513762    | 1    | Clip-Loom              |
| 25       | 1-303335    | 1    | Tie-Plastic            |
| 27       | 321-4       | 3    | Screw-HH               |
| 28       | 32128-33    | 1    | Nut-HF                 |
| 44       | 3256-70     | 6    | Washer-Flat            |
| 47       | 106-7498    | 1    | Pocket                 |
| 48       | 106-7488-03 | 1    | Hinge-Floorpan, LH     |
| 49       | 106-7489-03 | 1    | Hinge-Floorpan, RH     |
| 50       | 323-20      | 2    | Screw-HH               |
| 51       | 3296-59     | 2    | Nut-Lock, NI           |
| 52       | 3296-42     | 4    | Nut-Lock, NI           |

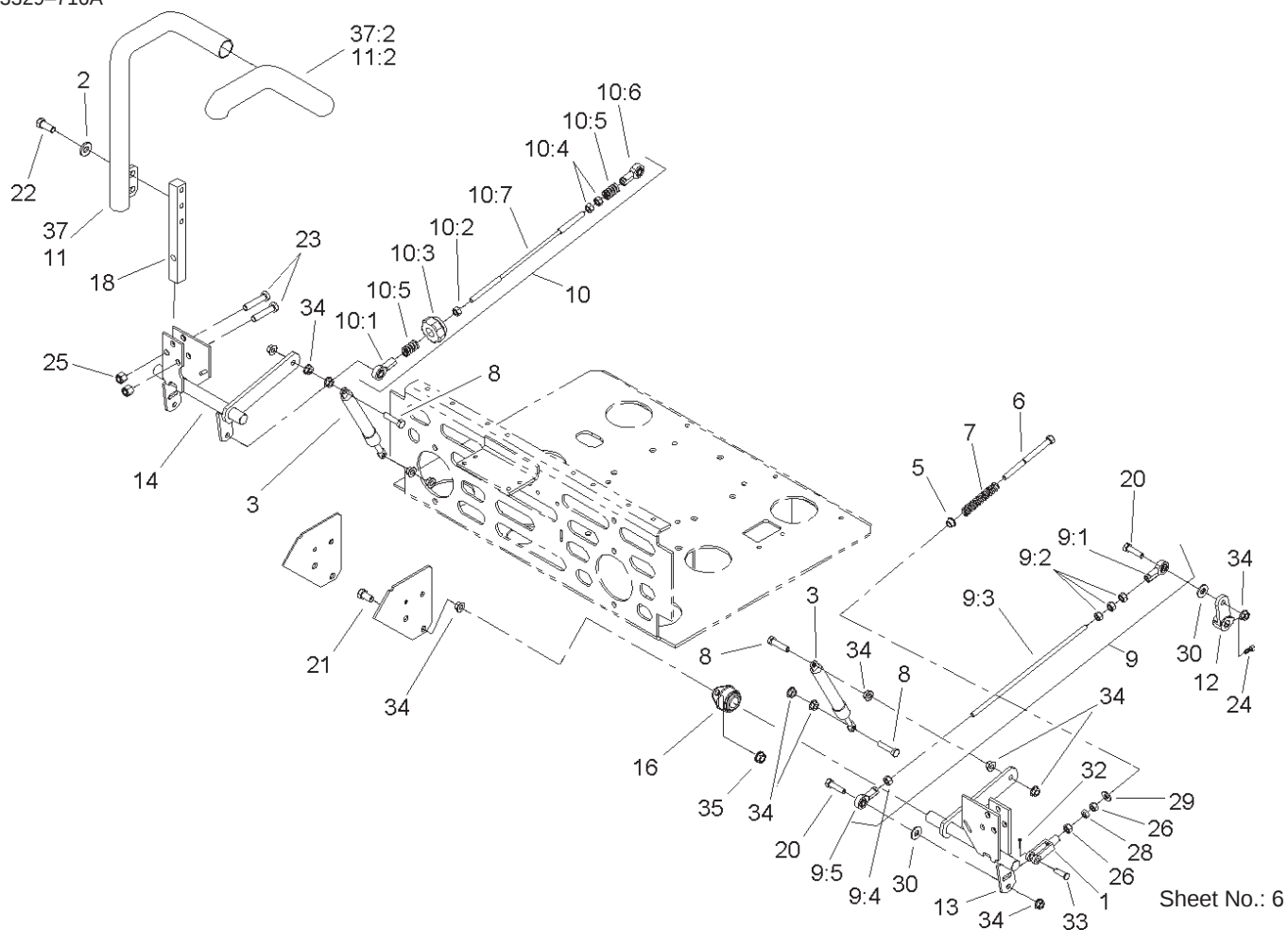
| Ref. No. | Part No. | Qty. | Description    |
|----------|----------|------|----------------|
| 53       | 3256-63  | 2    | Washer-Flat    |
| 54       | 3258-166 | 2    | Screw          |
| 55       | 106-9989 | 1    | Decal-Warning  |
| 56       | 106-7492 | 1    | Decal-Danger   |
| 57       | 107-1865 | 2    | R-Clamp        |
| 58       | 104-7050 | 1    | Housing-Manual |
| 59       | 104-7048 | 1    | Cap-Housing    |



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## Brake and Wheel Hub Assembly

| Ref. No. | Part No.    | Qty. | Description            | Ref. No. | Part No. | Qty. | Description          |
|----------|-------------|------|------------------------|----------|----------|------|----------------------|
| 1        | 1-513140    | 2    | Bearing-Control        | 19       | 103-2399 | 4    | Pin-Spring, Clevis   |
| 2        | 1-633454    | 2    | Spring-Brake           | 20       | 325-17   | 8    | Screw-HH             |
| 3        | 103-4332    | 1    | Brake Rod And Yoke ASM | 21       | 1481     | 2    | Fitting-Grease       |
| 3:1      | 1-633131    | 2    | Yoke-Linkage, Brake    | 22       | 103-0131 | 8    | Nut-Square           |
| 3:2      | 1-633477    | 1    | Rod-Brake              | 23       | 3219-3   | 4    | Nut-HH               |
| 3:3      | 3219-3      | 2    | Nut-HH                 | 24       | 3290-357 | 4    | Nut-HHF              |
| 4        | 1-634500    | 1    | Brake Lever ASM        | 25       | 3253-7   | 8    | Washer-Lock          |
| 4:2      | 1-633268    | 1    | Grip-Lever, Brake      | 26       | 3256-4   | 4    | Washer-Flat          |
| 5        | 1-632217-03 | 1    | Shaft-Brake            | 27       | 3272-10  | 1    | Pin-Cotter           |
| 6        | 103-0352-03 | 2    | Bracket-Brake          | 28       | 1-806800 | 2    | Pin-Cotter           |
| 7        | 1-523157    | 2    | Washer-Spacer          | 29       | 322-9    | 6    | Screw-HH             |
| 9        | 103-0355    | 2    | Band-Brake             | 30       | 103-0384 | 6    | Spacer               |
| 10       | 1-633380    | 4    | Spacer-Wheel, Short    | 31       | 103-0374 | 2    | Retainer-Band, Brake |
| 11       | 1-633382    | 4    | Spacer-Wheel, Long     |          |          |      |                      |
| 12       | 1-633102    | 2    | Bearing-Flange, Side   |          |          |      |                      |
| 13       | 103-4333    | 2    | Brake Rod And Yoke ASM |          |          |      |                      |
| 13:1     | 1-633131    | 1    | Yoke-Linkage, Brake    |          |          |      |                      |
| 13:2     | 1-633477    | 1    | Rod-Brake              |          |          |      |                      |
| 13:3     | 3219-3      | 1    | Nut-HH                 |          |          |      |                      |
| 14       | 1-633144    | 2    | Pin-Trunion            |          |          |      |                      |
| 15       | 103-0590    | 2    | Hub-Wheel              |          |          |      |                      |
| 15:1     | 103-0589    | 1    | Wheel Hub ASM          |          |          |      |                      |
| 15:2     | 1-633926    | 4    | Stud-Wheel             |          |          |      |                      |
| 18       | 323-4       | 4    | Screw-HH               |          |          |      |                      |

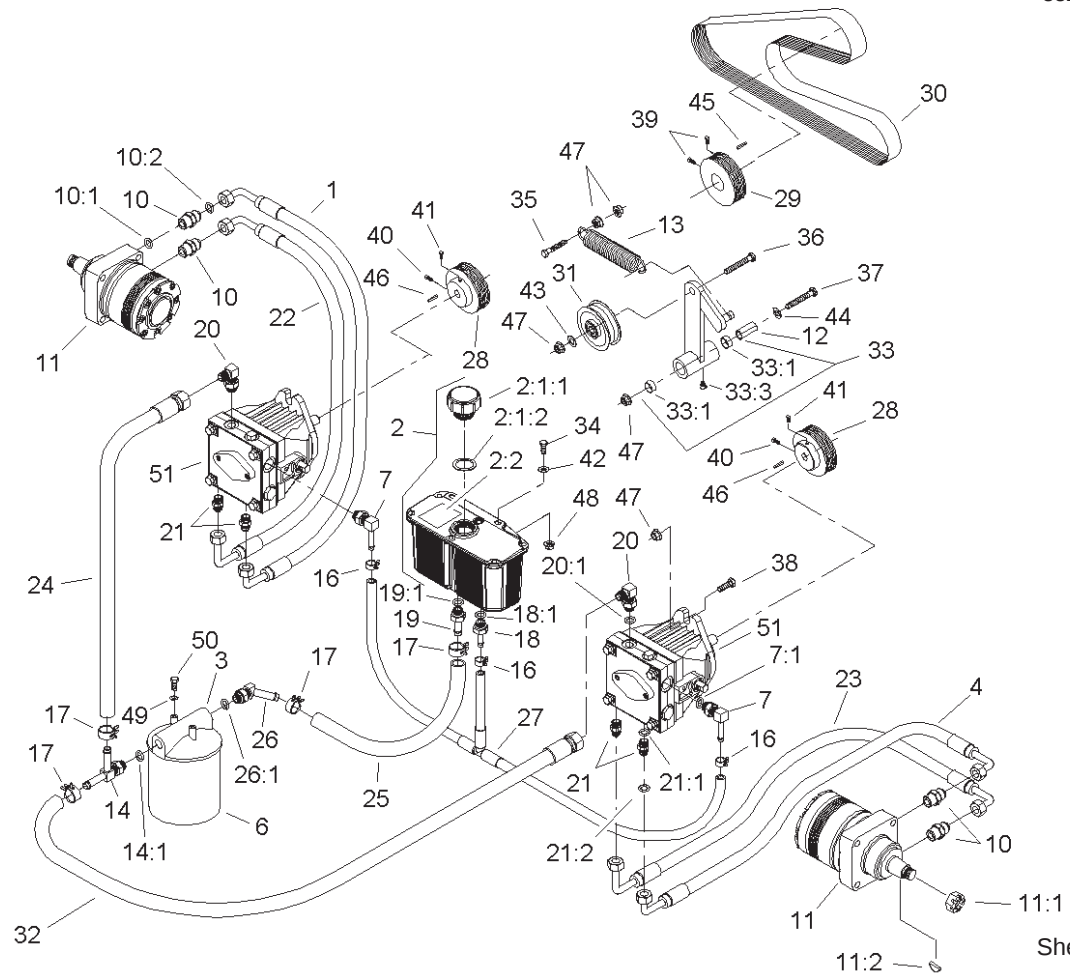


Sheet No.: 6

## Steering Control Assembly

| Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|
| 1        | 1-303105 | 2    | Yoke-Adjustable        |
| 2        | 98-5975  | 4    | Washer-Belleville      |
| 3        | 103-4079 | 2    | Damper-Motion Control  |
| 5        | 1-603735 | 2    | Bushing-Flanged        |
| 6        | 1-603737 | 2    | Bolt-Return, Neutral   |
| 7        | 1-603807 | 2    | Spring-Return, Neutral |
| 8        | 1-403180 | 4    | Screw-HH               |
| 9        | 103-4331 | 1    | Tracking Rod ASM       |
| 9:1      | 1-543017 | 1    | Balljoint-RH           |
| 9:2      | 3219-2   | 3    | Nut-Hex                |
| 9:3      | 103-3064 | 1    | Link-Rod, Tracking     |
| 9:4      | 1-804524 | 1    | Nut                    |
| 9:5      | 1-633152 | 1    | Balljoint-Thread, LH   |
| 10       | 103-4330 | 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     | 103-3064 | 1    | Link-Rod, Tracking     |
| 11       | 106-9982 | 1    | LH Lever ASM           |
| 11:2     | 106-9987 | 1    | Grip-Control, Motion   |
| 12       | 1-632208 | 2    | Arm-Control, Pump      |

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 13       | 103-4781 | 1    | Control-Motion, LH   |
| 14       | 103-4782 | 1    | Control-Motion, RH   |
| 16       | 1-633102 | 4    | Bearing-Flange, Side |
| 18       | 103-0407 | 2    | Arm-Shaft, Control   |
| 20       | 322-6    | 4    | Screw-HH             |
| 21       | 323-4    | 8    | Screw-HH             |
| 22       | 323-6    | 4    | Screw-HH             |
| 23       | 323-9    | 6    | Screw-HH             |
| 24       | 1-803022 | 2    | Screw-Set            |
| 25       | 3296-39  | 6    | Nut-Lock, NI         |
| 26       | 3219-2   | 4    | Nut-Hex              |
| 28       | 3220-2   | 2    | Nut                  |
| 29       | 3256-2   | 2    | Washer-Flat          |
| 30       | 3256-3   | 4    | Washer-Flat          |
| 32       | 3272-5   | 2    | Pin-Cotter           |
| 33       | 1-808280 | 2    | Pin-Clevis           |
| 34       | 32128-20 | 16   | Nut-HF               |
| 35       | 3290-357 | 8    | Nut-HHF              |
| 37       | 106-9983 | 1    | RH Lever ASM         |
| 37:2     | 106-9987 | 1    | Grip-Control, Motion |

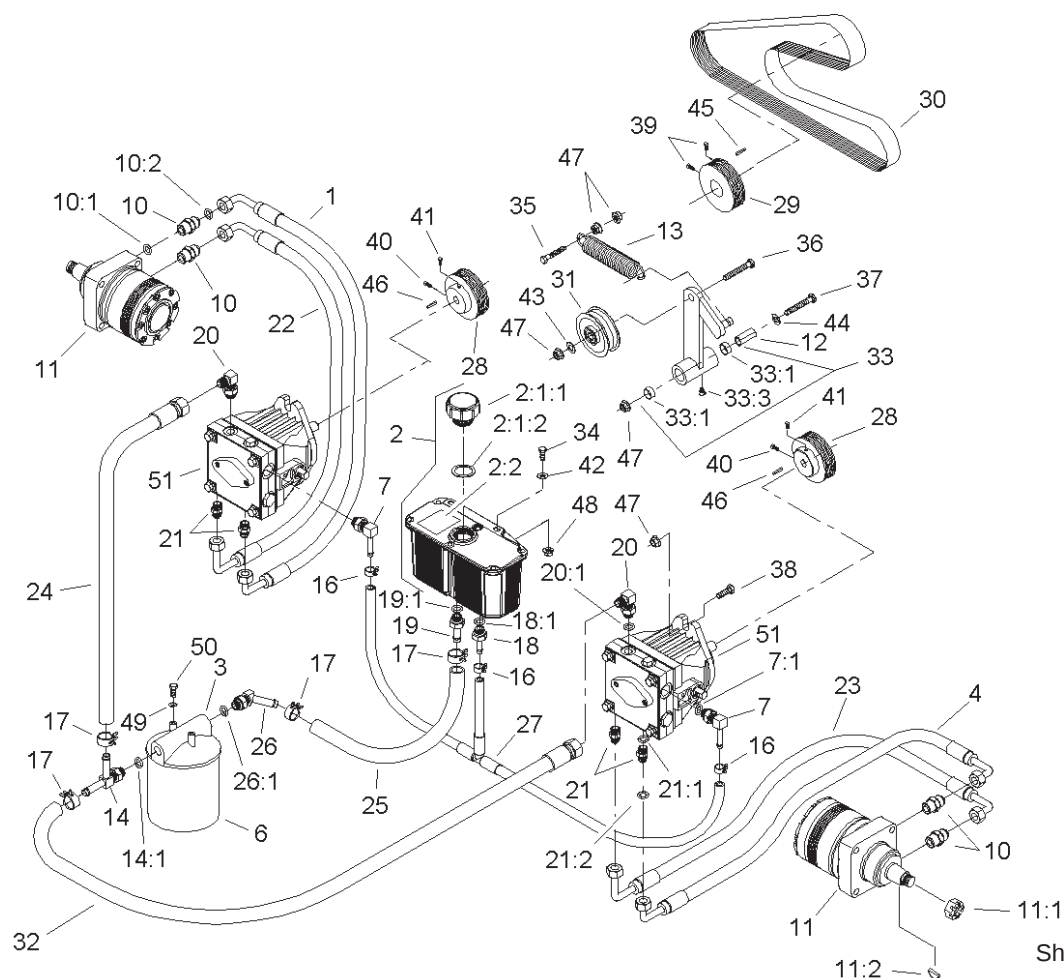


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## Hydraulic System Assembly

| Ref. No. | Part No. | Qty. | Description          | Ref. No. | Part No. | Qty. | Description      |
|----------|----------|------|----------------------|----------|----------|------|------------------|
| 1        | 103-3736 | 1    | HYD Hose ASM         | 18       | 103-1801 | 1    | Adapter-Straight |
| 2        | 103-1947 | 1    | HYD Reservoir ASM    | 18:1     | 237-42   | 1    | O-Ring           |
| 2:1:1    | 103-1948 | 1    | Cap-Reservoir, HYD   | 19       | 103-1912 | 1    | Adapter-Straight |
| 2:1:2    | 103-1949 | 1    | Gasket-Cap           | 19:1     | 237-42   | 1    | O-Ring           |
| 2:2      | 1-523552 | 1    | Decal-Tank, HYD      | 20       | 103-1802 | 2    | Fitting-HYD, 90° |
| 3        | 104-7836 | 1    | Head-Filter          | 20:1     | 237-42   | 1    | O-Ring           |
| 4        | 103-3733 | 1    | HYD Hose ASM         | 21       | 1-603990 | 4    | Fitting-Straight |
| 6        | 1-633750 | 1    | Filter-HYD           | 21:1     | 237-79   | 1    | O-Ring           |
| 6        | 1-633752 | 1    | Filter-HYD, Winter   | 21:2     | 1-603992 | 1    | O-Ring           |
| 7        | 103-1799 | 2    | Elbow-90°            | 22       | 103-3737 | 1    | HYD Hose ASM     |
| 7:1      | 237-42   | 1    | O-Ring               | 23       | 103-3735 | 1    | HYD Hose ASM     |
| 10       | 1-603991 | 4    | Fitting-Straight     | 24       | 103-1826 | 1    | HYD Hose ASM     |
| 10:1     | 237-80   | 1    | O-Ring               | 25       | 103-1808 | 1    | Hose-HYD         |
| 10:2     | 1-603992 | 1    | O-Ring               | 26       | 103-1807 | 1    | Elbow-45°        |
| 11       | 1-523328 | 2    | Motor-Wheel          | 26:1     | 237-42   | 1    | O-Ring           |
| 11:1     | 1-809036 | 1    | Nut-HH               | 27       | 103-1806 | 1    | HYD Hose ASM     |
| 11:2     | 3257-42  | 1    | Key-Woodruff         | 28       | 1-633568 | 2    | Sheave           |
| *11:99   | 1-000099 | 1    | Seal Kit             | 29       | 1-633567 | 1    | Sheave           |
| *11:99   | 1-000139 | 1    | Bearing Kit          | 30       | 1-633749 | 1    | Belt-Drive, Pump |
| *11:99   | 103-2748 | 1    | Drive Link Kit       | 31       | 1-633167 | 1    | Sheave-Idler     |
| 12       | 1-603384 | 1    | Bushing-Pivot, Idler | 32       | 103-1827 | 1    | HYD Hose ASM     |
| 13       | 103-3330 | 1    | Spring-Extension     | 33       | 1-634277 | 1    | Bearing Arm ASM  |
| 14       | 103-1828 | 1    | Adapter-Run, Tee     | 33:1     | 1-513034 | 2    | Sleeve-Bearing   |
| 14:1     | 237-42   | 1    | O-Ring               | 33:3     | 302-40   | 1    | Fitting-Grease   |
| 16       | 103-1716 | 3    | Clamp-Hose           | 34       | 321-6    | 2    | Screw-HH         |
| 17       | 103-1988 | 4    | Clamp-Hose           | 35       | 323-8    | 1    | Screw-HH         |

\* Not illustrated



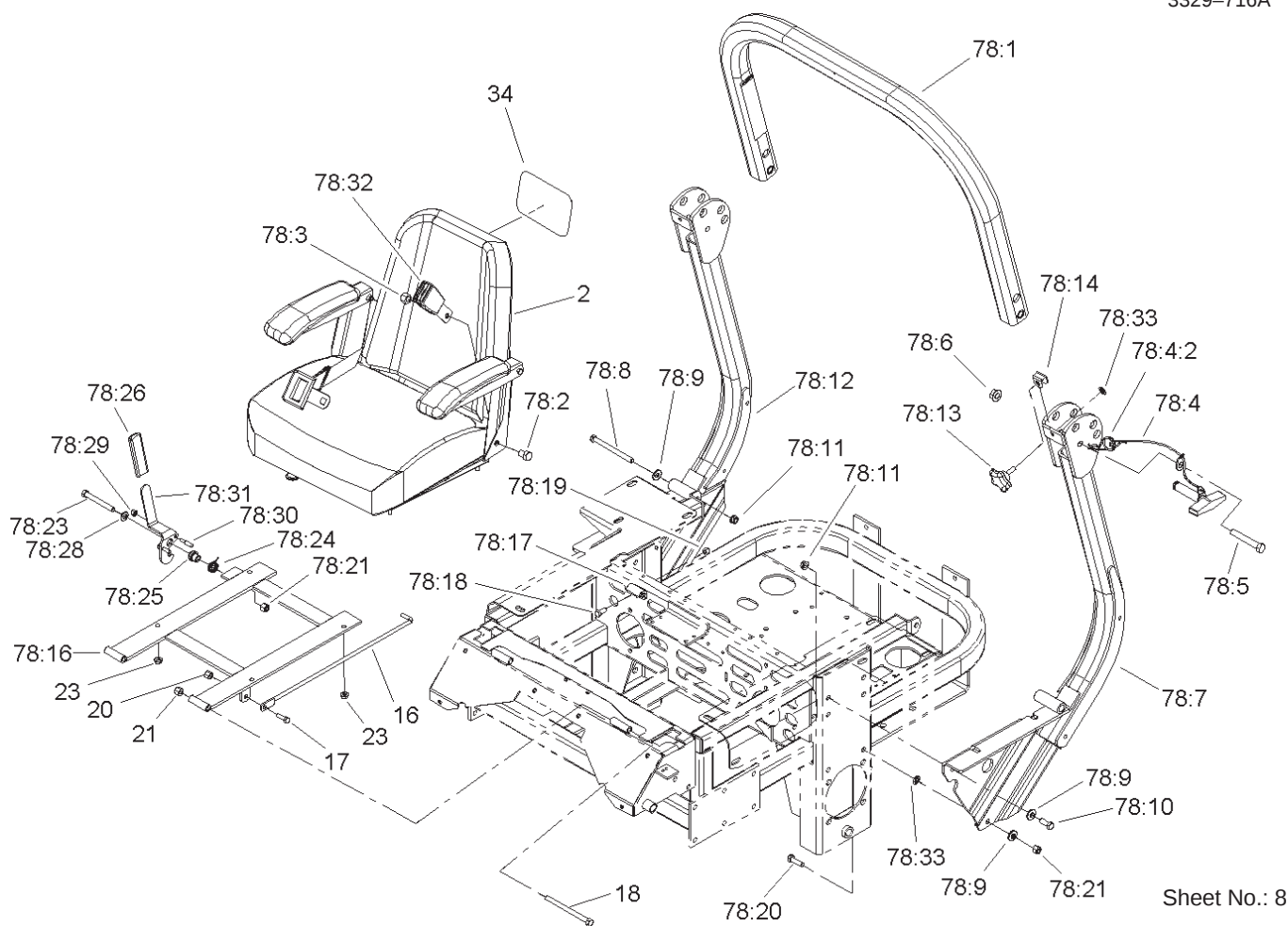
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## Hydraulic System Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 36       | 323-9    | 1    | Screw-HH           |
| 37       | 1-800805 | 1    | Screw-HH           |
| 38       | 323-7    | 4    | Screw-HH           |
| 39       | 1-803022 | 2    | Screw-Set          |
| 40       | 30-1710  | 2    | Screw              |
| 41       | 1-803050 | 2    | Screw-Set          |
| 42       | 3256-22  | 2    | Washer-Flat        |
| 43       | 3256-3   | 1    | Washer-Flat        |
| 44       | 3256-4   | 1    | Washer-Flat        |
| 45       | 13-2840  | 1    | Key-Square         |
| 46       | 1-807272 | 2    | Key                |
| 47       | 3290-357 | 8    | Nut-HHF            |
| 48       | 32128-33 | 2    | Nut-HF             |
| 49       | 1-805004 | 2    | Washer-Lock        |
| 50       | 321-3    | 2    | Screw-HH           |
| 51       | 103-2675 | 2    | Pump-HYD           |
| *51:1    | 103-2664 | 1    | Input Shaft Kit    |
| *51:2    | 94-6922  | 1    | Bearing-Thrust     |
| *51:3    | 103-2666 | 1    | Cylinder Block Kit |
| *51:4    | 105-6185 | 1    | Plate-Valve        |
| *51:5    | 105-6184 | 1    | Seal Overhaul Kit  |
| *51:7    | 106-2053 | 1    | Shock Valve Kit    |

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

\* Not illustrated



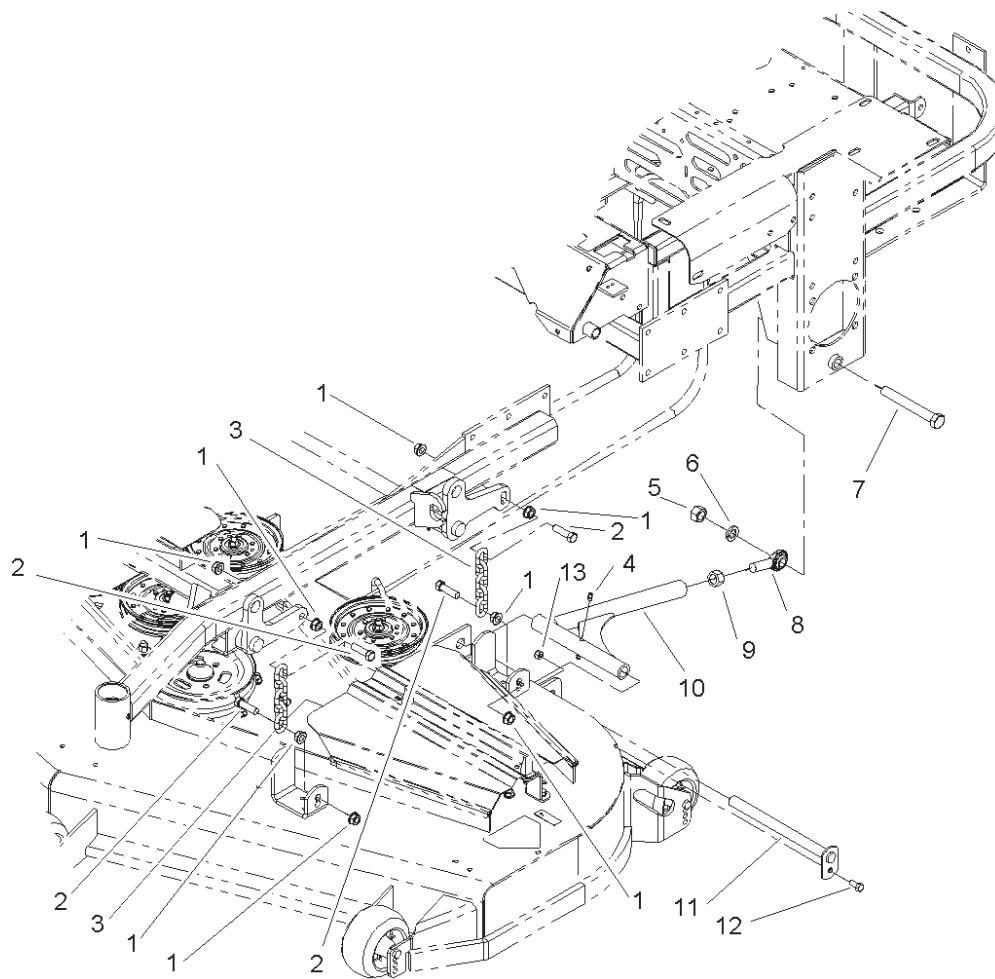
Sheet No.: 8

## Seat and Roll-Over-Protection-System Assembly

| Ref. No. | Part No.    | Qty. | Description        | Ref. No. | Part No. | Qty. | Description         |
|----------|-------------|------|--------------------|----------|----------|------|---------------------|
| 2        | 107-1867    | 1    | Seat ASM           | 78:18    | 322-3    | 2    | Screw-HH            |
| 16       | 1-633293    | 1    | Rod-Holdup, Seat   | 78:19    | 3296-29  | 2    | Nut-Lock, NI        |
| 17       | 322-5       | 1    | Screw-HH           | 78:20    | 323-7    | 2    | Screw-HH            |
| 18       | 323-39      | 2    | Screw-HH           | 78:21    | 3296-39  | 3    | Nut-Lock, NI        |
| 20       | 3296-29     | 3    | Nut-Lock, NI       | 78:23    | 323-20   | 1    | Screw-HH            |
| 21       | 3296-39     | 5    | Nut-Lock, NI       | 78:24    | 107-0076 | 1    | Spring-Torsion      |
| 23       | 32128-20    | 4    | Nut-HF             | 78:25    | 107-0075 | 1    | Bushing-Latch, Seat |
| 34       | 99-4693     | 1    | Decal              | 78:26    | 62-9130  | 1    | Grip-Handle         |
| 78       | 107-0038    | 1    | Rops               | 78:28    | 3256-24  | 1    | Washer-Flat         |
| ☆78:1    |             | 1    | Upper Tube ASM     | 78:29    | 3296-42  | 2    | Nut-Lock, NI        |
| 78:2     | 3212-4      | 2    | Screw-HH           | 78:30    | 107-0095 | 2    | Pin                 |
| 78:3     | 3296-7      | 2    | Nut-Lock NI        | 78:31    | 107-0094 | 1    | Latch               |
| 78:4     | 107-3060    | 2    | Pin Latch ASM      | 78:32    | 103-4317 | 1    | Belt-Seat           |
| 78:4:2   | 107-3155    | 1    | Hairpin            | 78:33    | 107-3154 | 4    | Nut-Push            |
| 78:5     | 325-13      | 2    | Screw-HH           |          |          |      |                     |
| 78:6     | 32128-23    | 2    | Nut-HF             |          |          |      |                     |
| ☆78:7    |             | 1    | LH Rops ASM        |          |          |      |                     |
| 78:8     | 323-23      | 2    | Screw-HH           |          |          |      |                     |
| 78:9     | 98-5975     | 8    | Washer-Belleville  |          |          |      |                     |
| 78:10    | 323-6       | 4    | Screw-HH           |          |          |      |                     |
| 78:11    | 3290-357    | 6    | Nut-HHF            |          |          |      |                     |
| ☆78:12   |             | 1    | RH Rops ASM        |          |          |      |                     |
| 78:13    | 106-0887    | 2    | Knob               |          |          |      |                     |
| 78:14    | 107-3124    | 2    | Clip               |          |          |      |                     |
| 78:16    | 107-3052-03 | 1    | Frame-Seat Support |          |          |      |                     |
| 78:17    | 107-3058    | 1    | Catch-Latch, Seat  |          |          |      |                     |

☆ Not serviced separately



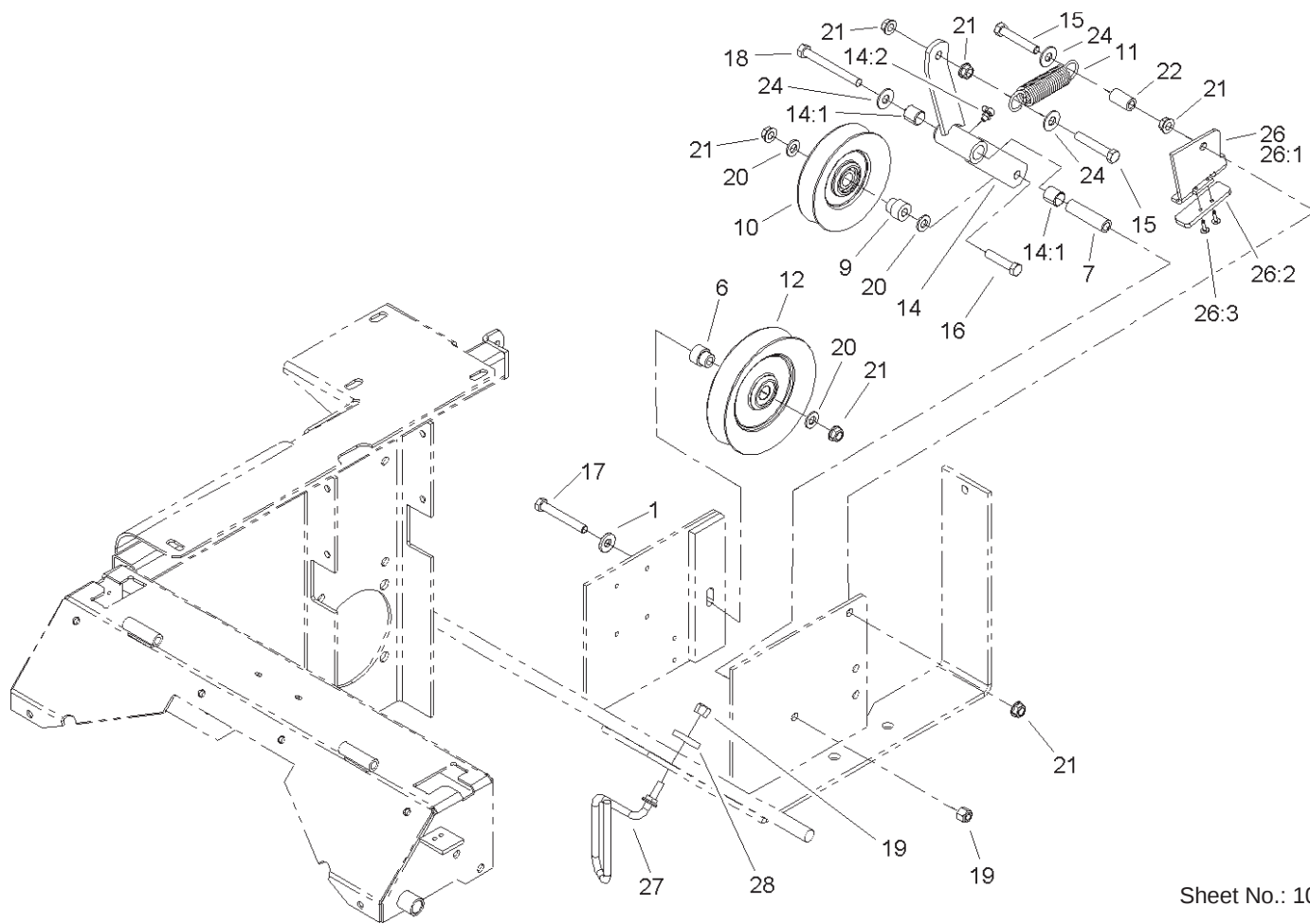


Sheet No.: 9

## Deck Connection Assembly

| Ref. No. | Part No.    | Qty. | Description         |
|----------|-------------|------|---------------------|
| 1        | 32128-37    | 16   | Nut-HF              |
| 2        | 1-800811    | 8    | Screw-Cap, HH       |
| 3        | 1-633447    | 4    | Chain-Lift, Deck    |
| 4        | 302-19      | 4    | Fitting-Grease      |
| 5        | 3217-11     | 2    | Nut-Hex             |
| 6        | 3253-8      | 2    | Washer-Lock         |
| 7        | 327-11      | 2    | Screw-HH            |
| 8        | 1-633029    | 2    | Balljoint-Spherical |
| 9        | 3219-6      | 2    | Nut-Hex             |
| 10       | 103-1072-01 | 2    | Strut               |
| 11       | 1-632199-01 | 2    | Pin-Strut           |
| 12       | 322-3       | 2    | Screw-HH            |
| 13       | 3296-29     | 2    | Nut-Lock, NI        |

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

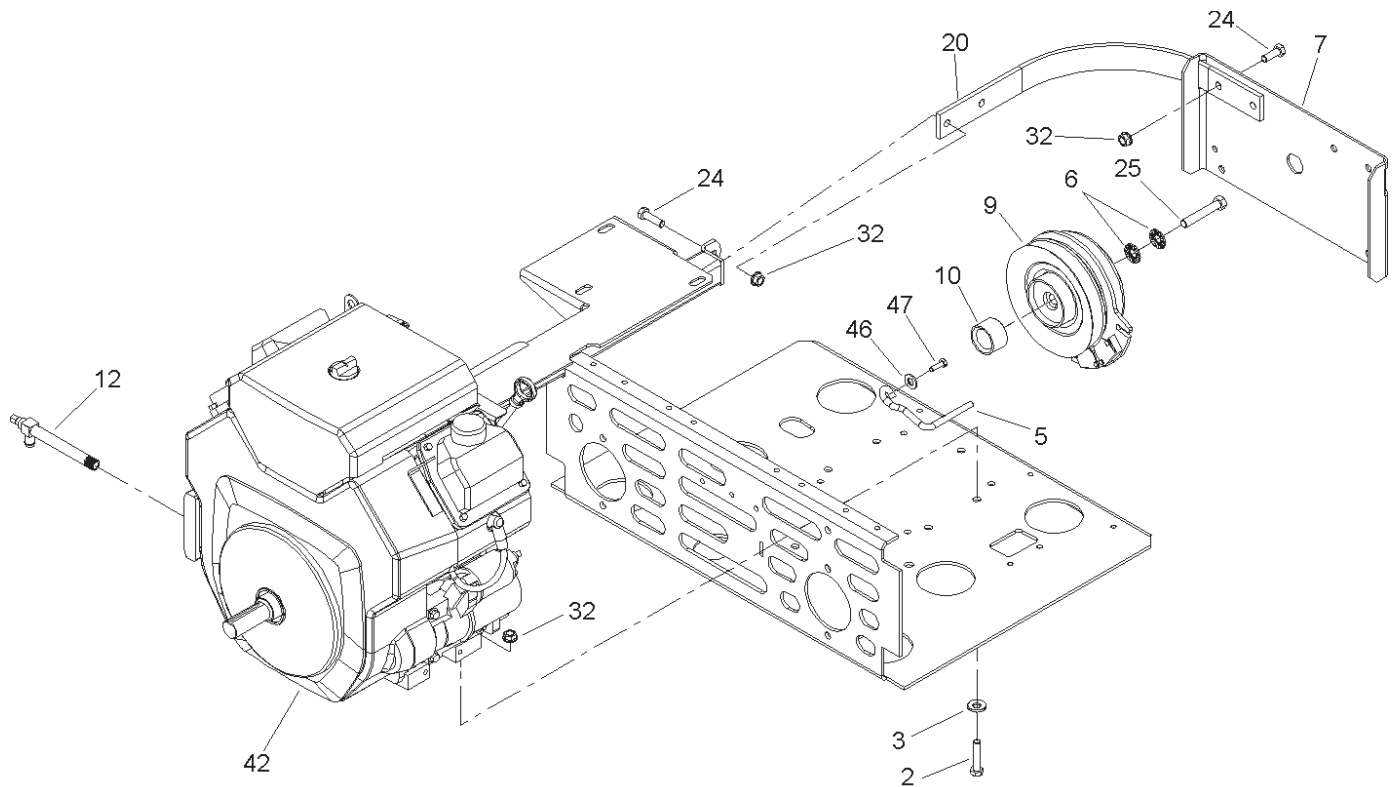


Sheet No.: 10

## Drive Idler Assembly

| Ref. No. | Part No.    | Qty. | Description           |
|----------|-------------|------|-----------------------|
| 1        | 98-5975     | 1    | Washer-Belleville     |
| 6        | 103-2627    | 1    | Bushing-Idler         |
| 7        | 1-603384    | 1    | Bushing-Pivot, Idler  |
| 9        | 1-603496    | 1    | Bushing-Idler         |
| 10       | 99-4638     | 1    | Idler                 |
| 11       | 1-603402    | 1    | Spring-Extension      |
| 12       | 1-633166    | 1    | Pulley-Idler          |
| 14       | 103-3147    | 1    | Arm ASM               |
| 14:1     | 1-513034    | 2    | Sleeve-Bearing        |
| 14:2     | 302-40      | 1    | Fitting-Grease        |
| 15       | 323-12      | 2    | Screw-HH              |
| 16       | 323-9       | 1    | Screw-HH              |
| 17       | 323-13      | 1    | Screw-HH              |
| 18       | 1-800805    | 1    | Screw-HH              |
| 19       | 3296-39     | 2    | Nut-Lock, NI          |
| 20       | 3256-24     | 3    | Washer-Flat           |
| 21       | 3290-357    | 6    | Nut-HHF               |
| 22       | 1-603401    | 1    | Spacer-Fender         |
| 24       | 3256-4      | 3    | Washer-Flat           |
| 26       | 106-3271    | 1    | Travel Limiter ASM    |
| 26:1     | 106-3228-03 | 1    | Plate-Limiter, Pulley |
| 26:2     | 106-3229    | 1    | Pad-Bumber            |
| 26:3     | 3269-24     | 2    | Rivet                 |
| 27       | 105-7772    | 1    | Guide-Belt            |
| 28       | 112843      | 1    | Washer                |

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

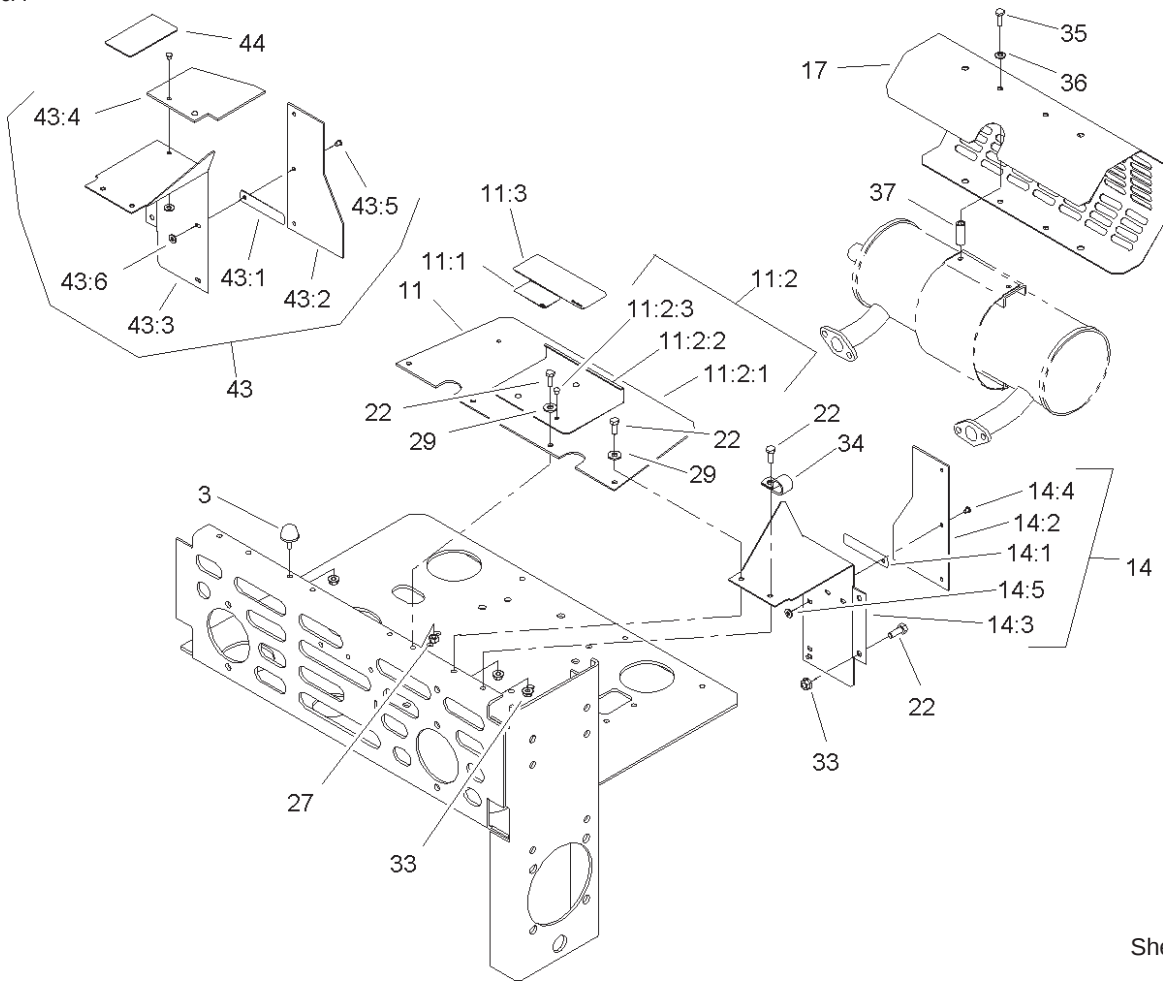


Sheet No.: 12

## Engine and Clutch Assembly

| Ref. No. | Part No.    | Qty. | Description                   |
|----------|-------------|------|-------------------------------|
| 2        | 323-9       | 4    | Screw-HH                      |
| 3        | 98-5975     | 4    | Washer-Belleville             |
| 5        | 52-4780     | 1    | Rod-Belt                      |
| 6        | 1-603610    | 2    | Washer-Spring                 |
| 7        | 1-633615-03 | 1    | Guard-Clutch                  |
| 9        | 103-3131    | 1    | Clutch, Magstop 200           |
| 10       | 1-633453    | 1    | Spacer-Clutch                 |
| 12       | 103-1996    | 1    | Valve-Oil Drain, Long         |
| 20       | 1-643264-03 | 2    | Bracket-Guard, Top            |
| 24       | 323-6       | 6    | Screw-HH                      |
| 25       | 3212-10     | 1    | Screw-HH                      |
| 32       | 3290-357    | 8    | Nut-HHF                       |
| ☆42      |             | 1    | Engine-Kohler,<br>Ch20s-64684 |
| 46       | 3256-24     | 1    | Washer-Flat                   |
| 47       | 323-4       | 1    | Screw-HH                      |

☆ Not serviced separately

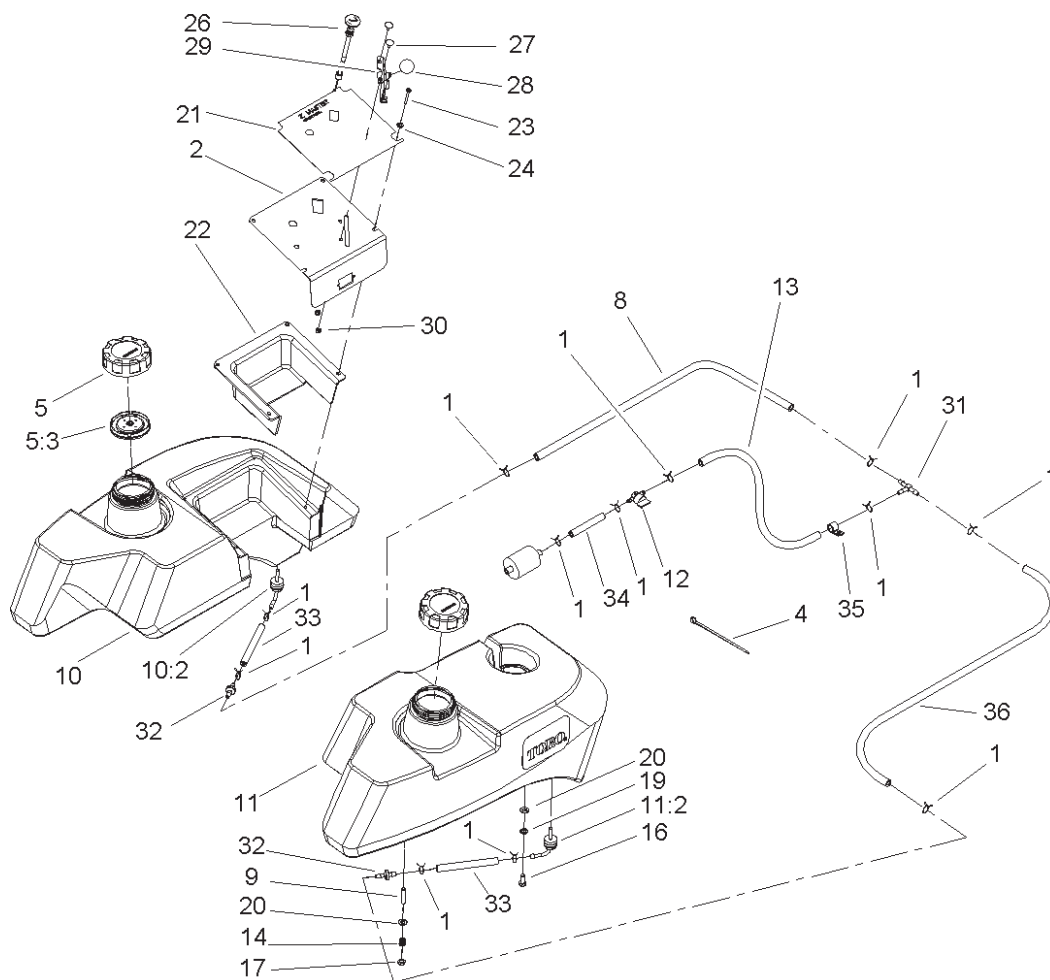


Sheet No.: 13

## Guard Assembly

| Ref. No. | Part No.    | Qty. | Description                 |
|----------|-------------|------|-----------------------------|
| 3        | 1-523420    | 2    | Bumper                      |
| 11       | 1-644276    | 1    | Shield ASM                  |
| 11:1     | 1-633462    | 1    | Decal-Important             |
| 11:2     | 1-634308    | 1    | Shield/Lift ASM             |
| 11:2:1   | 103-1308    | 1    | Shield-Engine               |
| 11:2:2   | 1-633300-03 | 1    | Lift-Shield                 |
| 11:2:3   | 1-803035    | 3    | Rivet-Pop                   |
| 11:3     | 103-0368    | 1    | Decal-Devices,<br>Rotating  |
| 14       | 1-634796    | 1    | LH Shield ASM               |
| 14:1     | 1-523285    | 1    | Clip-Baffle, Rear           |
| 14:2     | 1-633301    | 1    | Shield-Engine               |
| 14:3     | 1-633795-03 | 1    | Baffle-Engine Shield,<br>LH |
| 14:4     | 1-803035    | 3    | Rivet-Pop                   |
| 14:5     | 3256-63     | 3    | Washer-Flat                 |
| 17       | 1-643313-03 | 1    | Guard-Muffler               |
| 22       | 321-4       | 10   | Screw-HH                    |
| 27       | 3296-42     | 6    | Nut-Lock, NI                |
| 29       | 3256-2      | 4    | Washer-Flat                 |
| 33       | 32128-33    | 5    | Nut-HF                      |
| 34       | 1-633396    | 1    | Clip-Loom                   |
| 35       | 1-809076    | 2    | Screw                       |
| 36       | 1-323235    | 2    | Washer-Spring               |
| 37       | 1-323236    | 2    | Spacer                      |
| 43       | 1-644316    | 1    | RH Shield ASM               |

| Ref. No. | Part No.    | Qty. | Description           |
|----------|-------------|------|-----------------------|
| 43:1     | 1-523285    | 1    | Clip-Baffle, Rear     |
| 43:2     | 1-633301    | 1    | Shield-Engine         |
| 43:3     | 1-633794-03 | 1    | Shield-RH             |
| 43:4     | 1-643315    | 1    | Baffle-Cooler, Engine |
| 43:5     | 1-803035    | 5    | Rivet-Pop             |
| 43:6     | 3256-63     | 5    | Washer-Flat           |
| 44       | 1-643339    | 1    | Decal-Routing, Belt   |

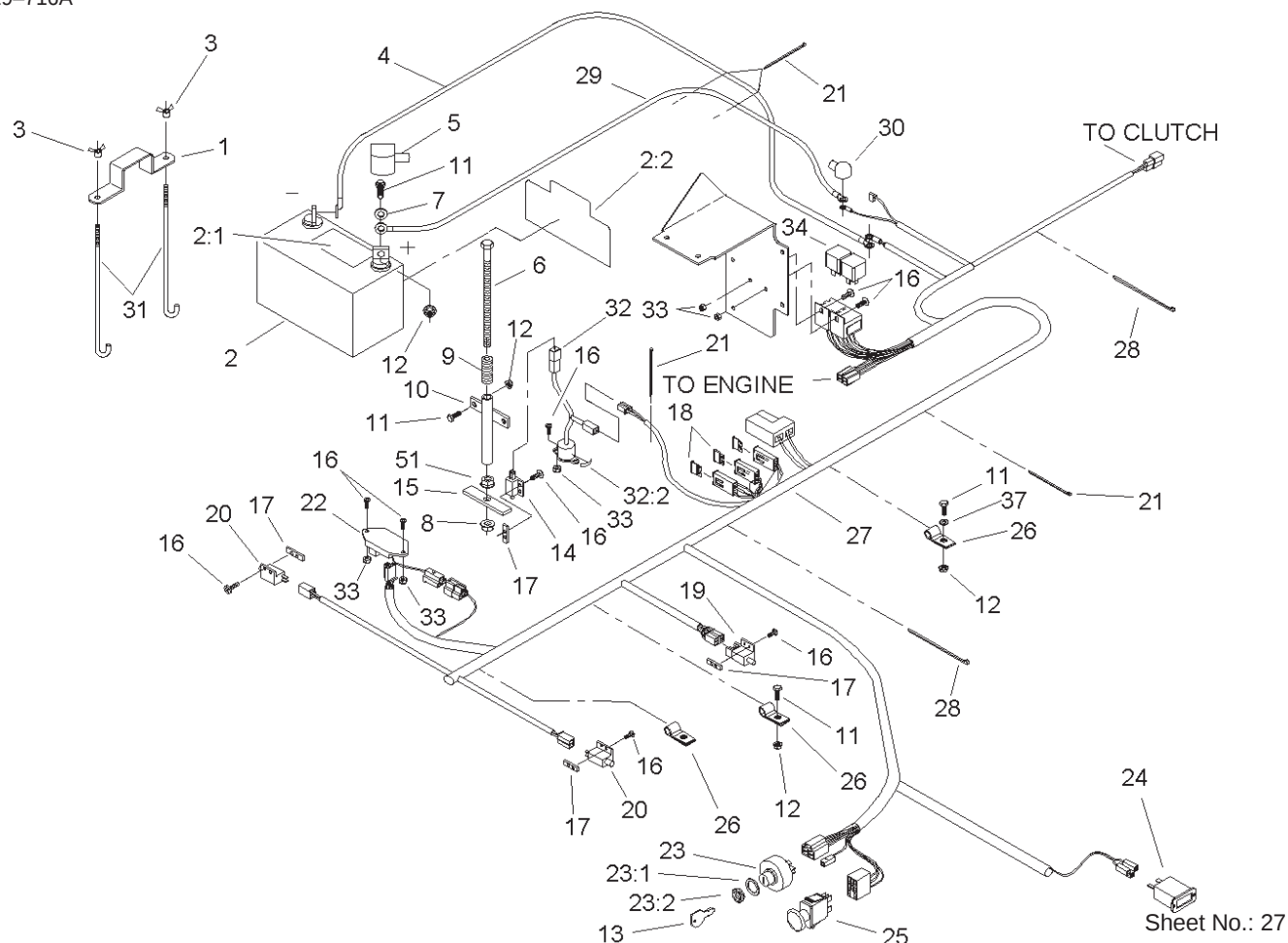


Sheet No.: 22

## Fuel System Assembly

| Ref. No. | Part No.    | Qty. | Description              |
|----------|-------------|------|--------------------------|
| 1        | 1-303077    | 13   | Clamp                    |
| 2        | 106-9966-03 | 1    | Panel-Control            |
| 4        | 1-303335    | 4    | Tie-Plastic              |
| 5        | 88-3980     | 2    | Gas Cap ASM              |
| 5:3      | 88-4010     | 1    | Gasket-Cap, Gas          |
| 8        | 94-7420     | 2    | Hose-Fuel                |
| 9        | 1-633023    | 6    | Stud                     |
| 10       | 106-9980    | 1    | LH Fuel Tank ASM         |
| 10:2     | 103-2605    | 1    | Fitting-Fuel, Bulkhead   |
| 11       | 106-9979    | 1    | RH Fuel Tank ASM         |
| 11:2     | 103-2605    | 1    | Fitting-Fuel, Bulkhead   |
| 12       | 1-603770    | 1    | Valve-Fuel               |
| 13       | 107-2119    | 1    | Hose-Fuel                |
| 14       | 1-633349    | 6    | Spring-Tank, Fuel        |
| 16       | 322-3       | 2    | Screw-HH                 |
| 17       | 3296-47     | 6    | Nut-Lock, NI             |
| 19       | 1-805005    | 2    | Washer-Lock              |
| 20       | 3256-23     | 8    | Washer-Flat              |
| 21       | 106-9969    | 1    | Decal-Panel, Control     |
| 22       | 99-4940     | 1    | Shield-Panel, Control    |
| 23       | 1-803071    | 4    | Screw                    |
| 24       | 1-303435    | 4    | Washer-Spring            |
| 26       | 106-9962    | 1    | Control-Choke, Push/Pull |
| 27       | 1-807513    | 2    | Bolt-CARR                |
| 28       | 1-513592    | 1    | Knob-Ball                |

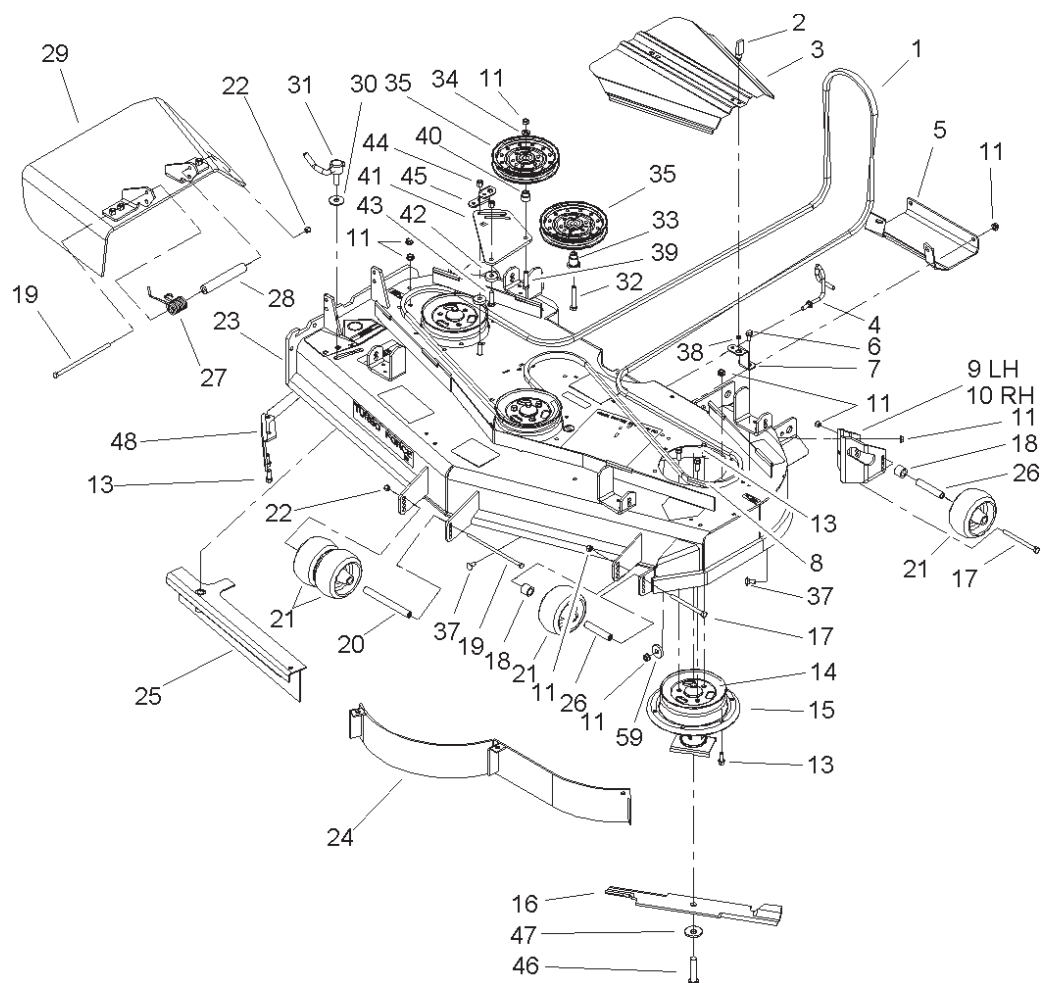
| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 29       | 1-633696 | 1    | Cable-Throttle      |
| 30       | 3296-2   | 2    | Nut-Lock            |
| 31       | 99-5005  | 1    | Fitting-Tee, Barbed |
| 32       | 99-5000  | 2    | Valve-Check, Fuel   |
| 33       | 99-7190  | 2    | Hose-Fuel           |
| 34       | 105-8342 | 1    | Hose-Fuel           |
| 35       | 1-513762 | 1    | Clip-Loom           |
| 36       | 1-543526 | 1    | Hose-Fuel           |



## Electrical System Assembly

| Ref. No. | Part No.    | Qty. | Description             |
|----------|-------------|------|-------------------------|
| 1        | 1-633652-03 | 1    | Strap-Holddown          |
| 2        | 105-1692    | 1    | Battery                 |
| 2:1      | 104-4163    | 1    | Decal-Battery           |
| 2:2      | 104-4164    | 1    | Decal-Battery           |
| 3        | 1-543792    | 2    | Wingnut                 |
| 4        | 1-633307    | 1    | Wire-Ground             |
| 5        | 1-543391    | 1    | Insulator-Battery       |
| 6        | 1-800282    | 1    | Screw-HH                |
| 7        | 3256-2      | 2    | Washer-Flat             |
| 8        | 3296-29     | 1    | Nut-Lock, NI            |
| 9        | 1-523415    | 1    | Spring-Switch, Seat     |
| 10       | 1-522424-03 | 1    | Mount-Spring, Seat      |
| 11       | 321-4       | 6    | Screw-HH                |
| 12       | 32128-33    | 6    | Nut-HF                  |
| 13       | 63-8360     | 2    | Key-Ignition            |
| 14       | 1-513152    | 1    | Switch-Closed, Normally |
| 15       | 1-513180    | 1    | Plate-Switch, Seat      |
| 16       | 3290-500    | 14   | Screw-PPH               |
| 17       | 1-633181    | 4    | Plate-Tapped            |
| 18       | 1-816001    | 2    | Fuse-Type, Blade        |
| 19       | 1-633111    | 1    | Switch                  |
| 20       | 1-513051    | 2    | Switch-Open, Normally   |
| 21       | 1-303287    | 5    | Tie-Plastic             |
| 22       | 100-6186    | 1    | Module-Delay, Seat      |

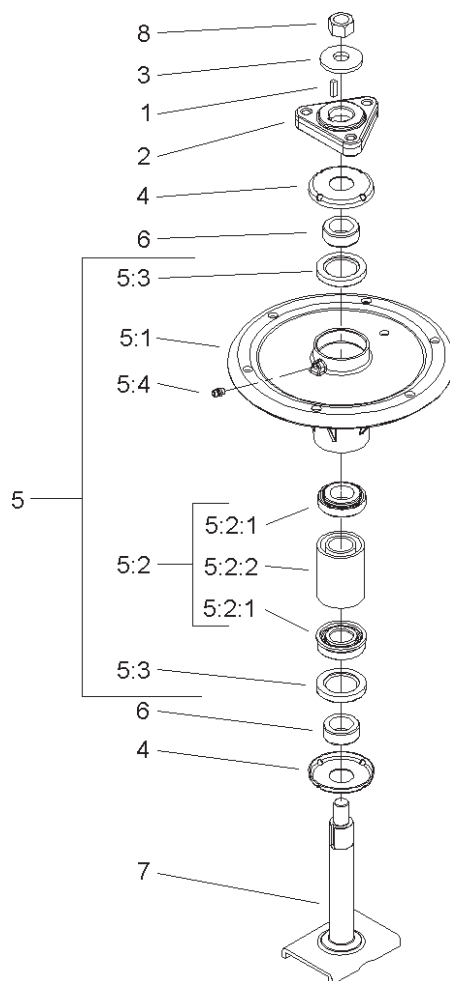
| Ref. No. | Part No. | Qty. | Description           |
|----------|----------|------|-----------------------|
| 23       | 88-9830  | 1    | Key Switch ASM        |
| 23:1     | 3254-5   | 1    | Washer-Tooth          |
| 23:2     | 218-461  | 1    | Nut-HH                |
| 24       | 1-513374 | 1    | Meter-Hour            |
| 25       | 1-633673 | 1    | Switch-Delta          |
| 26       | 1-633396 | 3    | Clip-Loom             |
| 27       | 106-7497 | 1    | Harness-Wire          |
| 28       | 1-303335 | 2    | Tie-Plastic           |
| 29       | 1-523281 | 1    | Wire-Starter          |
| 30       | 1-543393 | 1    | Insulator-Solenoid    |
| 31       | 1-633651 | 2    | Bolt-Holddown         |
| 32       | 1-644427 | 1    | Tilt Switch ASM       |
| 32:2     | 1-643401 | 1    | Decal-Switch, Mercury |
| 33       | 3296-2   | 6    | Nut-Lock              |
| 34       | 1-643275 | 2    | Relay                 |
| 37       | 3256-22  | 1    | Washer-Flat           |
| 51       | 3217-6   | 1    | Nut-Hex               |



Sheet No.: 0

## Deck Assembly

| Ref. No. | Part No.    | Qty. | Description             | Ref. No. | Part No.    | Qty. | Description              |
|----------|-------------|------|-------------------------|----------|-------------|------|--------------------------|
| 1        | 105-7790    | 1    | Belt                    | 27       | 104-8554    | 1    | Spring-Torsion           |
| 2        | 74-5950     | 4    | Latch-Swell             | 28       | 105-4622    | 1    | Spacer                   |
| 3        | 105-8786-01 | 2    | Cover-Belt              | 29       | 106-3249    | 1    | Rubber Deflector ASM     |
| 4        | 106-3220    | 1    | Guide-Wire              | 30       | 105-7697    | 1    | Washer-Plastic           |
| 5        | 106-7358-01 | 1    | Plate-Skid              | 31       | 106-3242    | 1    | Lever ASM                |
| 6        | 32144-70    | 4    | Screw-HH                | 32       | 323-12      | 2    | Screw-HH                 |
| 7        | 105-8787-01 | 3    | Bracket-Cover           | 33       | 106-3214    | 2    | Support-Pulley           |
| 8        | 105-7699    | 8    | Seal-Strip              | 34       | 3256-24     | 3    | Washer-Flat              |
| 9        | 106-7354-01 | 1    | Plate-Roller, LH        | 35       | 1-633109    | 3    | Idler-Flat               |
| 10       | 106-7355-01 | 1    | Plate-Roller, RH        | 37       | 3231-1      | 10   | Screw-CARR               |
| 11       | 3290-357    | 42   | Nut-HHF                 | 38       | 99-3058     | 4    | Washer                   |
| 13       | 95-1726     | 33   | Screw-Taptite           | 39       | 323-9       | 1    | Screw-HH                 |
| 14       | 105-7735    | 3    | Pulley                  | 40       | 1-603496    | 1    | Bushing-Idler            |
| 15       | 106-3217    | 3    | Spindle ASM             | 41       | 105-7787-01 | 1    | Plate-Idler              |
| 16       | 105-7781    | 3    | Blade-High Flow         | 42       | 105-7788    | 2    | Spacer                   |
| 17       | 323-23      | 3    | Screw-HH                | 43       | 3231-4      | 2    | Screw-CARR               |
| 18       | 98-7913     | 3    | Tube-Spacer             | 44       | 3296-39     | 2    | Nut-Lock, NI             |
| 19       | 322-50      | 2    | Screw-HH                | 45       | 105-7789-01 | 1    | Bracket-Cover, Belt      |
| 20       | 98-5967     | 1    | Spacer                  | 46       | 103-0862    | 3    | Screw-Cap                |
| 21       | 1-603299    | 5    | Roller-Anti Scalp       | 47       | 103-0865    | 3    | Washer-Blade Bolt, Heavy |
| 22       | 3296-29     | 2    | Nut-Lock, NI            |          |             |      |                          |
| 23       | 107-1623    | 1    | 52in Deck ASM           | 48       | 106-3216-01 | 1    | Baffle-Discharge         |
| 24       | 105-7754-01 | 1    | Baffle ASM-Welded (Red) | 59       | 112843      | 1    | Washer                   |
| 25       | 105-7755-01 | 1    | Baffle ASM              |          |             |      |                          |
| 26       | 98-7912     | 3    | Tube-Spanner            |          |             |      |                          |

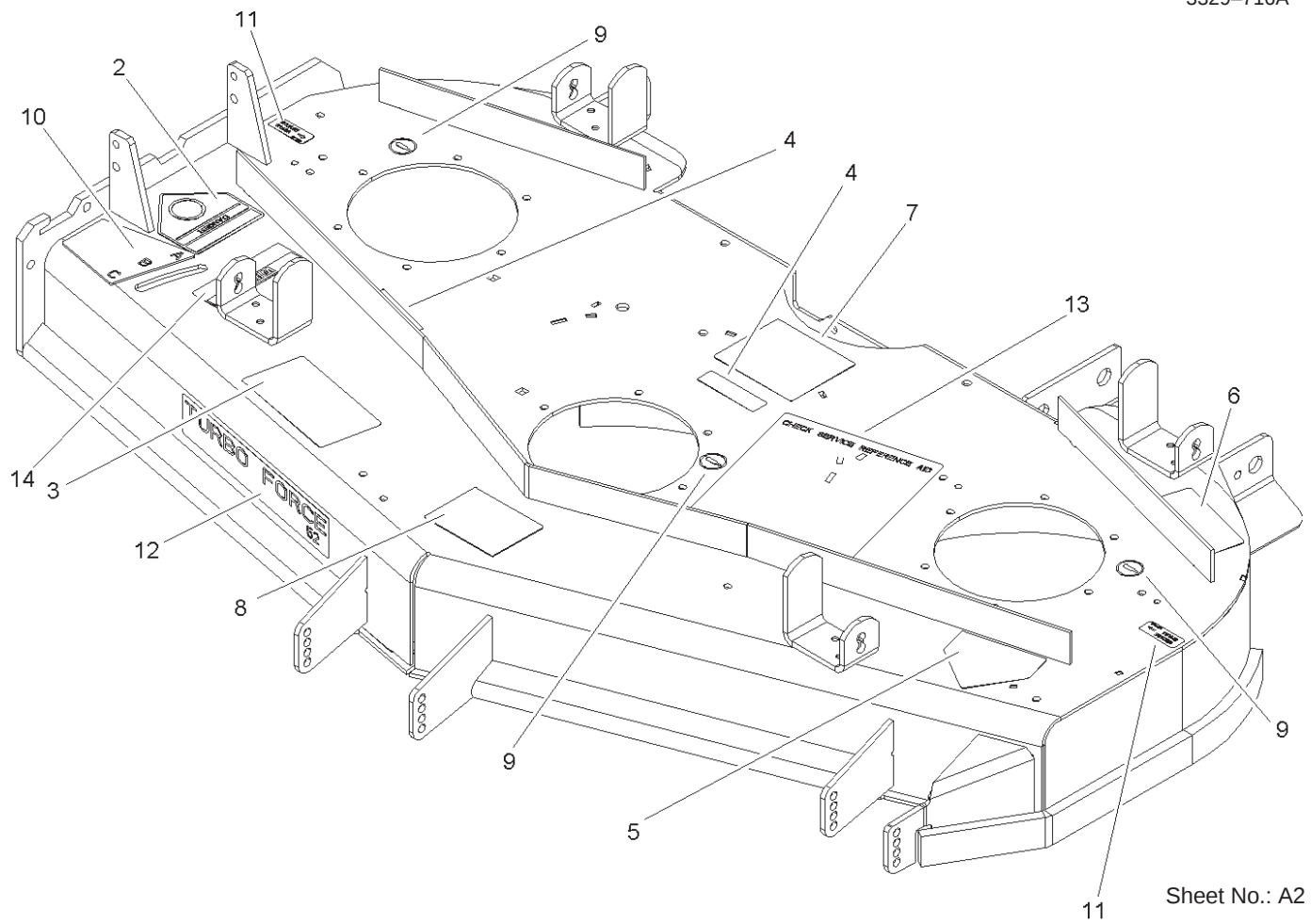


Sheet No.: A1

# Spindle Assembly No. 106-3217

| Ref. No. | Part No. | Qty. | Description                 |
|----------|----------|------|-----------------------------|
| 1        | 10-8040  | 1    | Key-Square                  |
| 2        | 106-3277 | 1    | Hub-Pulley                  |
| 3        | 103-0865 | 1    | Washer-Blade Bolt,<br>Heavy |
| 4        | 106-3204 | 2    | Shield-Bearing              |
| 5        | 107-1627 | 1    | Spindle Bearing ASM         |
| 5:1      | 106-3211 | 1    | Housing-Spindle             |
| 5:2      | 106-3207 | 1    | Bearing ASM                 |
| 5:2:1    | 27-0960  | 1    | Bearing ASM                 |
| 5:2:2    | 106-3206 | 1    | Spacer-Set, Matched         |
| 5:3      | 253-133  | 2    | Seal-Oil                    |
| 5:4      | 302-5    | 1    | Fitting-Grease              |
| 6        | 106-3218 | 2    | Spacer-Seal                 |
| 7        | 106-3233 | 1    | Spindle Shaft ASM           |
| 8        | 3219-6   | 1    | Nut-Hex                     |

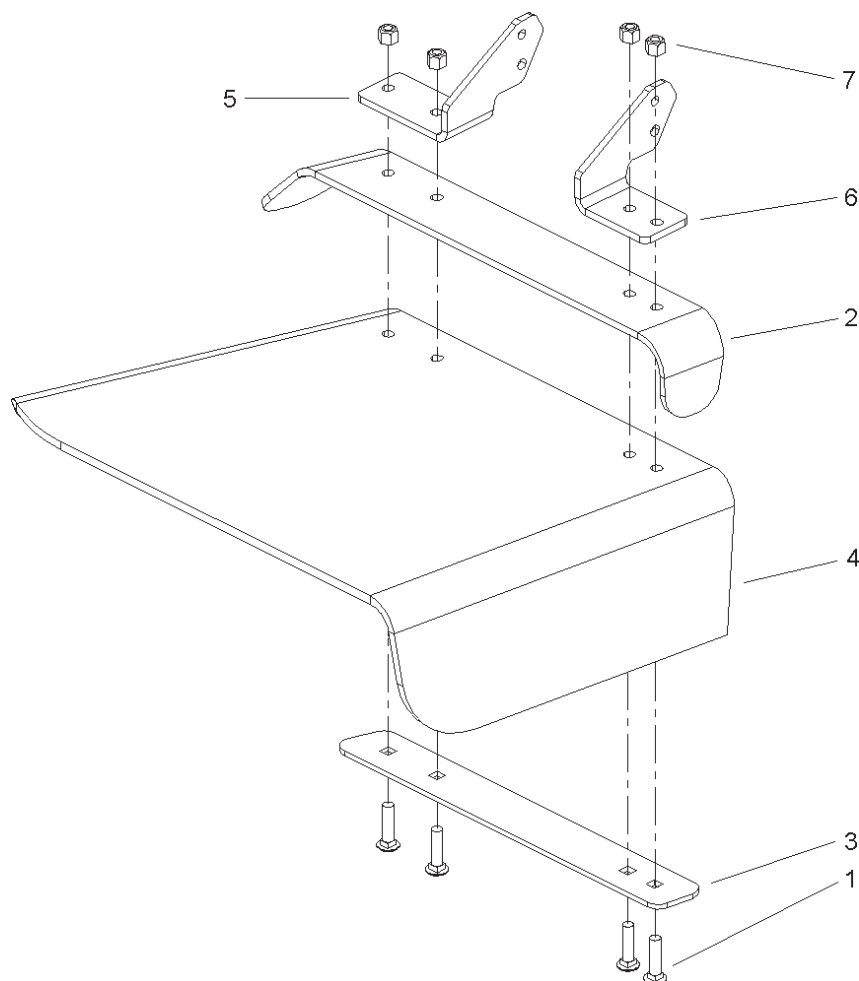
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



# Deck Decal Assembly No. 107-1623

| Ref. No. | Part No. | Qty. | Description                 |
|----------|----------|------|-----------------------------|
| 2        | 54-9220  | 1    | Decal-Danger                |
| 3        | 66-1340  | 1    | Decal-Danger                |
| 4        | 98-5954  | 3    | Decal-Missing, Cover        |
| 5        | 43-8480  | 1    | Decal-Danger                |
| 6        | 68-8340  | 1    | Decal-Torque                |
| 7        | 105-7797 | 1    | Decal-Routing, Belt         |
| 8        | 105-7798 | 1    | Decal-Anti Scalp            |
| 9        | 58-6520  | 3    | Decal-Grease                |
| 10       | 107-1622 | 1    | Decal-Adjustment,<br>Baffle |
| 11       | 107-1613 | 2    | Decal-Grease                |
| 12       | 107-1618 | 1    | Decal-Turbo Force 52        |
| 13       | 107-1621 | 1    | Decal-Service, Check        |
| 14       | 104-8569 | 1    | Decal-Warning               |

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

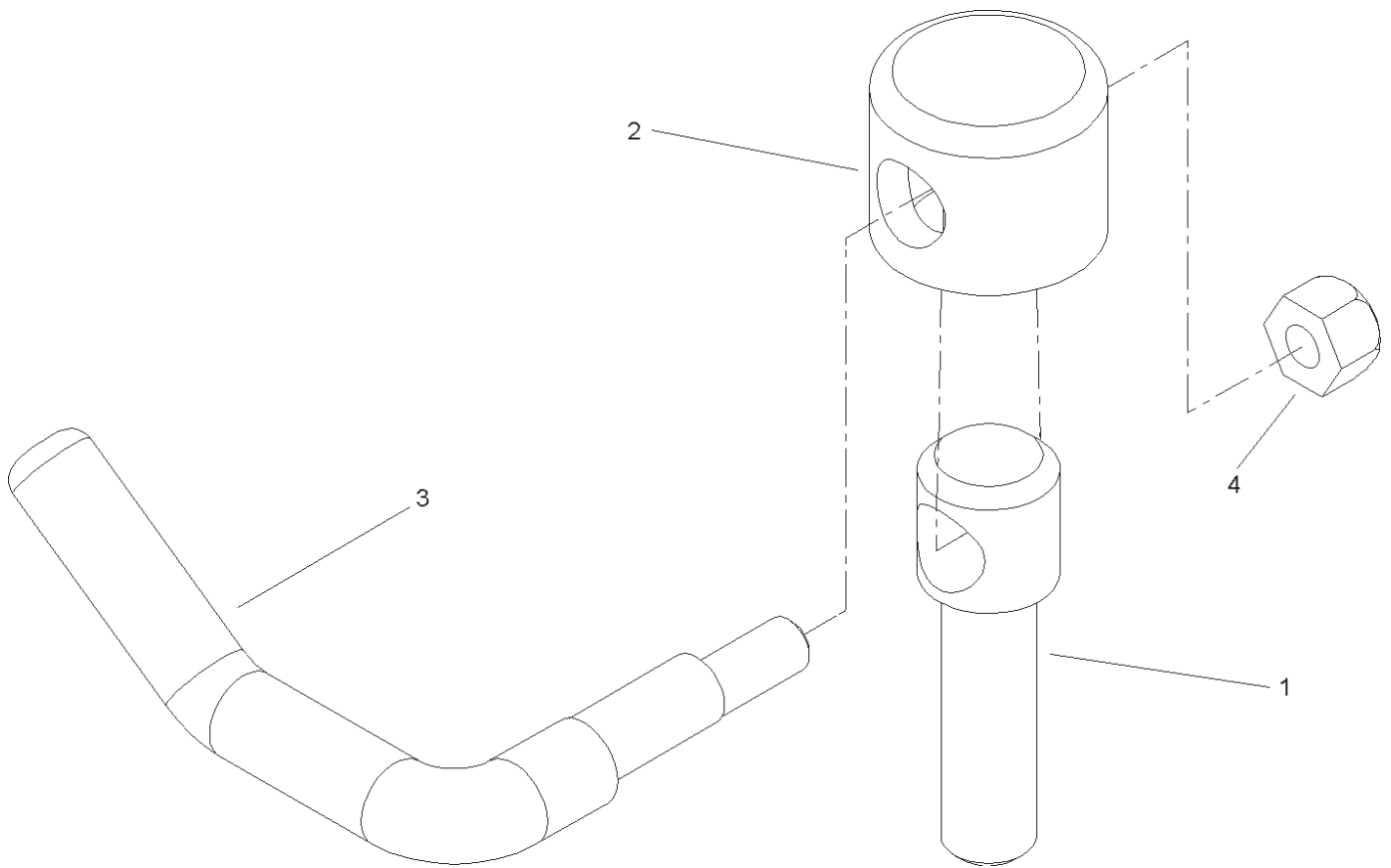


Sheet No.: A3

# Deflector Assembly No. 106-3249

| Ref. No. | Part No.    | Qty. | Description        |
|----------|-------------|------|--------------------|
| 1        | 3231-4      | 4    | Screw-CARR         |
| 2        | 106-3246-01 | 1    | Deflector          |
| 3        | 106-3248-03 | 1    | Strap-Discharge    |
| 4        | 107-1617    | 1    | Deflector-Rubber   |
| 5        | 106-3252-01 | 1    | Plate-Hinge, Rear  |
| 6        | 106-3253-01 | 1    | Plate-Hinge, Front |
| 7        | 3296-39     | 4    | Nut-Lock, NI       |

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



Sheet No.: A4

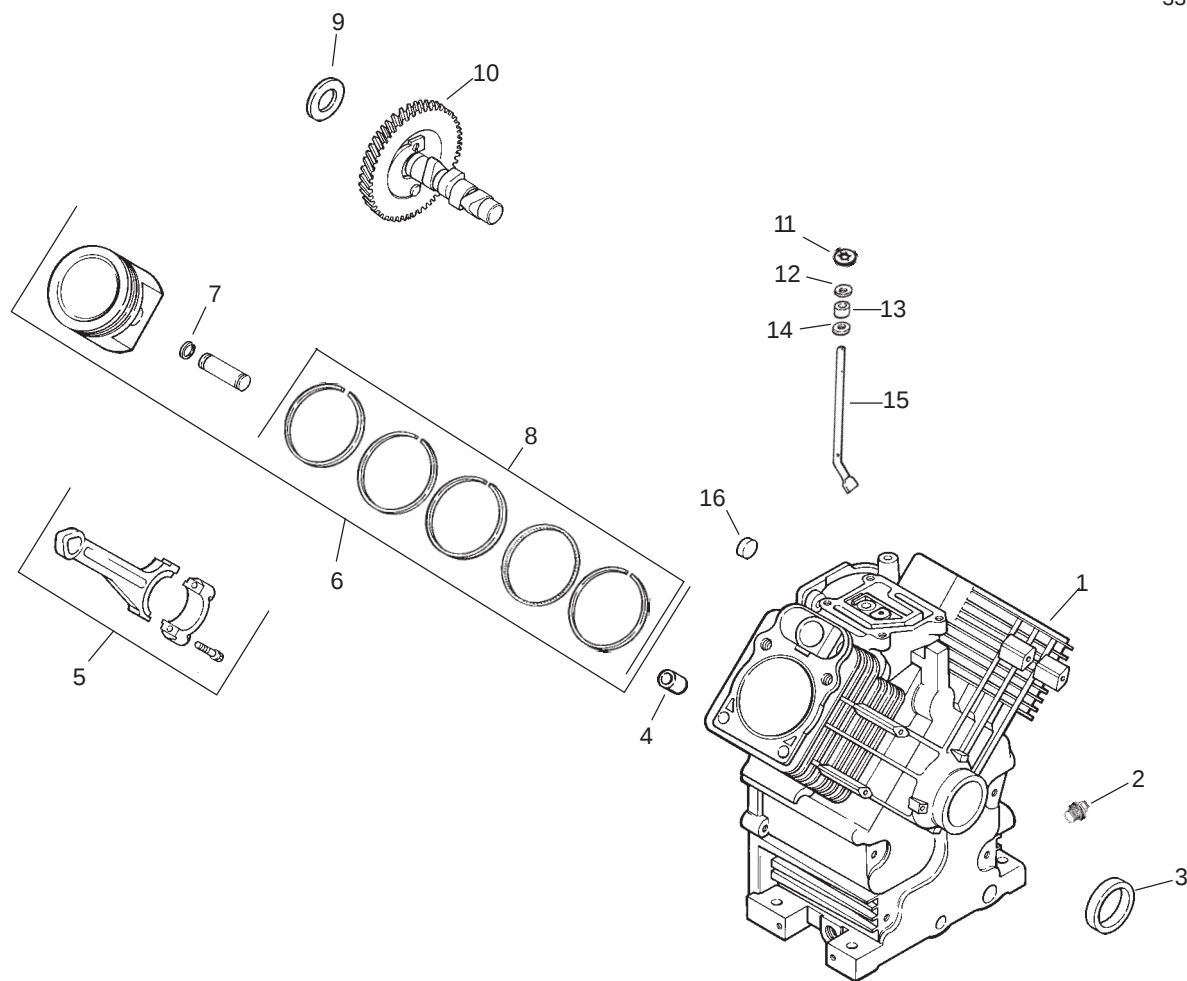
## Lever Assembly No. 106-3242

| Ref. No. | Part No. | Qty. | Description  |
|----------|----------|------|--------------|
| 1        | 106-3239 | 1    | Screw-Lock   |
| 2        | 106-3240 | 1    | Cap-Lock     |
| 3        | 106-3241 | 1    | Lever-Lock   |
| 4        | 3296-29  | 1    | Nut-Lock, NI |

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

| Ref. No. | Part No.    | Qty. | Description             |
|----------|-------------|------|-------------------------|
| 1        | 24 014 84—S | 1    | Crankshaft (Includes 2) |
| 2        | 52 139 09—S | 1    | Plug, cup               |

## Obtain Parts from Kohler

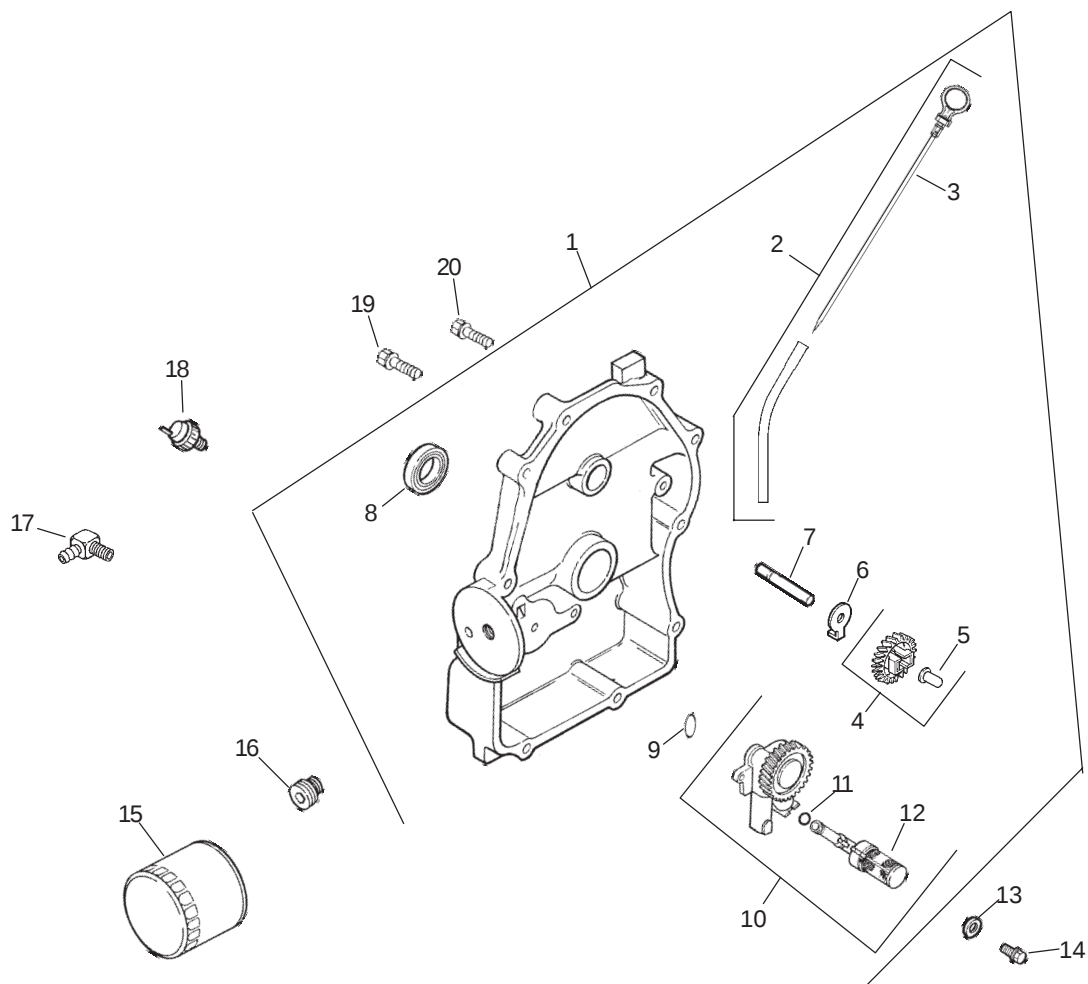


## Group 2 – Crankcase Assembly Kohler CH20S-64684

| Ref. No. | Part No.    | Qty. | Description                                 |
|----------|-------------|------|---------------------------------------------|
| 1        |             | 1    | Crankcase<br>(USE: Miniblock<br>24 782 15)  |
| 2        | 25 139 57-S | 2    | Plug, square hd. 3/8"<br>N.P.T.F            |
| 3        | 24 032 01-S | 1    | Seal, front oil                             |
| 4        | 24 380 13-S | 6    | Pin, locating                               |
| 5        | 24 067 13-S | 2    | Connecting Rod (Std.)                       |
|          | 24 067 14-S | 2    | Connecting Rod (.25)                        |
| 6        | 24 874 17-S | 2    | Piston w/Ring Set<br>(Std.) (Includes 7, 8) |
|          | 24 874 14-S | 2    | Piston w/Ring Set (.08)                     |
|          | 24 874 18-S | 2    | Piston w/Ring Set (.25)                     |
|          | 24 874 19-S | 2    | Piston w/Ring Set (.50)                     |
| 7        | 24 018 01-S | 4    | Retainer, piston pin                        |
| 8        | 24 108 11-S | 2    | Ring Set (Std. & .08)                       |
|          | 24 108 12-S | 2    | Ring Set (.25)                              |
|          | 24 108 13-S | 2    | Ring Set (.50)                              |
| 9        | 12 422 09-S | A.R. | Shim, camshaft – red                        |
|          | 12 422 13-S | A.R. | Shim, camshaft– black                       |
|          | 12 422 07-S | A.R. | Shim, camshaft – white                      |
|          | 12 422 08-S | A.R. | Shim, camshaft – blue                       |
|          | 12 422 10-S | 1    | Shim, camshaft –<br>yellow                  |

| Ref. No. | Part No.    | Qty. | Description                   |
|----------|-------------|------|-------------------------------|
|          | 12 422 11-S | A.R. | Shim, camshaft –<br>green     |
|          | 12 422 12-S | A.R. | Shim, camshaft – gray         |
| 10       | 24 012 10-S | 1    | Camshaft                      |
| 11       | 24 018 09-S | 1    | Retainer, ring                |
| 12       | M-931010-S  | 1    | Washer, nylon (top)           |
| 13       | 28 032 09-S | 1    | Seal, governor cross<br>shaft |
| 14       | 24 468 15-S | 1    | Washer (bottom)               |
| 15       | 24 144 38-S | 1    | Shaft, governor cross         |
| 16       | 52 139 09-S | 1    | Plug, cup                     |

Obtain Parts from Kohler

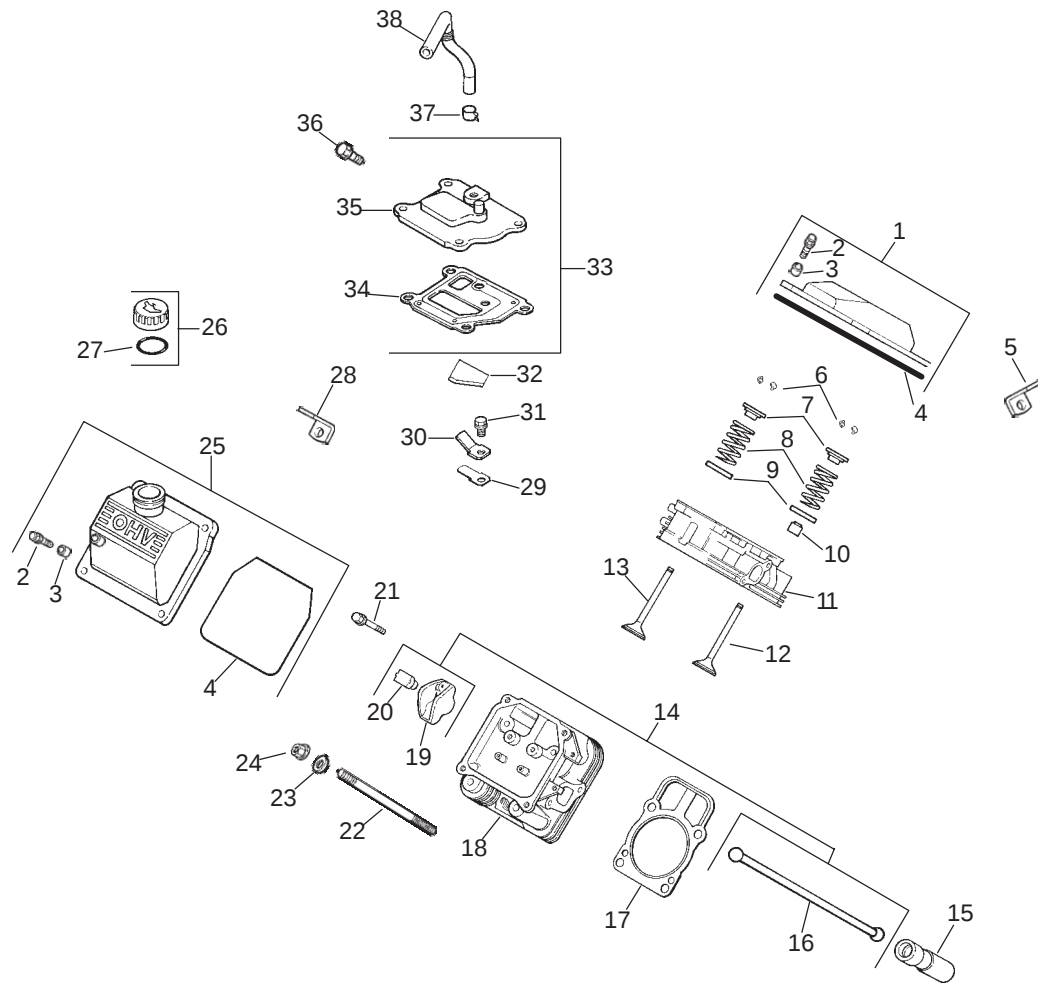


### Group 3 – Oil Pan/Lubrication Assembly Kohler CH20S-64684

| Ref. No. | Part No.     | Qty. | Description                              |
|----------|--------------|------|------------------------------------------|
| 1        | 24 009 83-S  | 1    | Kit, closure plate (Includes 2-12,19,20) |
| 2        | 24 755 121-S | 1    | Kit, dipstick & tube (Includes 3)        |
| 3        | 24 038 10-S  | 1    | Dipstick                                 |
| 4        | 24 043 12-S  | 1    | Kit, governor gear w/pin (Includes 5)    |
| 5        | 12 380 01-S  | 1    | Pin, governor regulating                 |
| 6        | 52 448 02-S  | 1    | Tab, locking                             |
| 7        | 12 144 02-S  | 1    | Shaft, governor gear                     |
| 8        | 52 032 08-S  | 1    | Seal, oil (PTO end)                      |
| 9        | 24 153 08-S  | 1    | O-Ring                                   |
| 10       | 24 393 10-S  | 1    | Oil pump assembly (Includes 11,12)       |
| 11       | 24 153 01-S  | 1    | O-Ring, oil pick-up                      |
| 12       | 24 381 04-S  | 1    | Pick-up, oil                             |
| 13       | M-631005-S   | 2    | Washer, plain 6 mm                       |
| 14       | M-645025-S   | 2    | Screw, hex. flange M6x1.0x25             |
| 15       | 52 050 02-S  | 1    | Filter, oil                              |
| 16       | 24 136 01-S  | 1    | Nipple, oil filter                       |
| 17       | 25 155 02-S  | 1    | Connector, hose 45(                      |
| 18       | 24 099 03-S  | 1    | Switch, oil pressure                     |

| Ref. No. | Part No.    | Qty. | Description                   |
|----------|-------------|------|-------------------------------|
| 19       | 24 086 16-S | 9    | Screw, hex. flange M8x1.25x45 |
| 20       | 24 086 17-S | 1    | Screw, hex. flange M8x1.25x45 |

Obtain Parts from Kohler



## Group 4 – Head/Valve/Breather Assembly Kohler CH20S-64684

| Ref. No. | Part No.    | Qty. | Description                                | Ref. No. | Part No.    | Qty. | Description                                                      |
|----------|-------------|------|--------------------------------------------|----------|-------------|------|------------------------------------------------------------------|
| 1        | 24 755 74-S | 1    | Kit, valve cover – plain<br>(Includes 2-4) | 18       | 24 318 71-S | 1    | Head assembly,<br>#2 cylinder                                    |
| 2        | M-651030-S  | 4    | Screw, hex. flange<br>M6x1.0x30            | 19       | 25 186 01-S | 4    | Arm, rocker                                                      |
| 3        | 24 112 08-S | 4    | Spacer                                     | 20       | 24 599 01-S | 4    | Pivot, rocker arm                                                |
| 4        | 24 153 23-S | 1    | O-Ring, valve cover                        | 21       | M-640034-S  | 4    | Screw, hex. flange<br>M6x1.0x34                                  |
| 5        | 12 445 05-S | 1    | Strap, lifting                             | 22       | 24 072 09-S | 8    | Stud, cylinder head<br>M8x1.25x20,<br>M10x1.5x33,<br>105 mm long |
| 6        | 12 755 03-S | 4    | Kit, retainer                              | 23       | 24 468 16-S | 8    | Washer, flat 8 mm                                                |
| 7        | 12 173 01-S | 4    | Cap, valve spring                          | 24       | 24 100 10-S | 8    | Nut, hex. flange<br>M8x1.25                                      |
| 8        | 24 089 02-S | 4    | Spring, valve                              | 25       | 24 755 75-S | 1    | Kit, valve cover – oil fill<br>(Includes 2-4)                    |
| 9        | 235011-S    | 4    | Retainer, spring                           | 26       | 25 755 13-S | 1    | Kit, oil fill cap<br>(Includes 27)                               |
| 10       | 66 032 05-S | 2    | Seal, valve stem                           | 27       | 25 153 02-S | 1    | O-Ring                                                           |
| 11       | 24 318 68-S | 1    | Head assembly,<br>#1 cylinder              | 28       | 24 445 01-S | 1    | Strap, lifting                                                   |
| 12       | 24 017 01-S | 2    | Valve, intake (Std.)                       | 29       | 24 402 03-S | 1    | Reed, breather                                                   |
|          | 24 017 02-S | 2    | Valve, intake (.25)                        | 30       | 12 018 01-S | 1    | Retainer, breather reed                                          |
| 13       | 24 016 01-S | 2    | Valve, exhaust (Std.)                      | 31       | M-545010-S  | 1    | Screw, hex. flange<br>M5x0.8x10                                  |
|          | 24 016 02-S | 2    | Valve, exhaust (.25)                       | 32       | 24 050 01-S | 1    | Filter, breather                                                 |
| 14       | 24 755 66-S | 1    | Kit, valve train<br>(Includes 16,19,20)    |          |             |      |                                                                  |
| 15       | 25 351 01-S | 4    | Lifter, valve                              |          |             |      |                                                                  |
| 16       | 24 411 05-S | 4    | Rod, push                                  |          |             |      |                                                                  |
| 17       | 24 041 08-S | 2    | Gasket, cylinder head                      |          |             |      |                                                                  |

Obtain Parts from Kohler

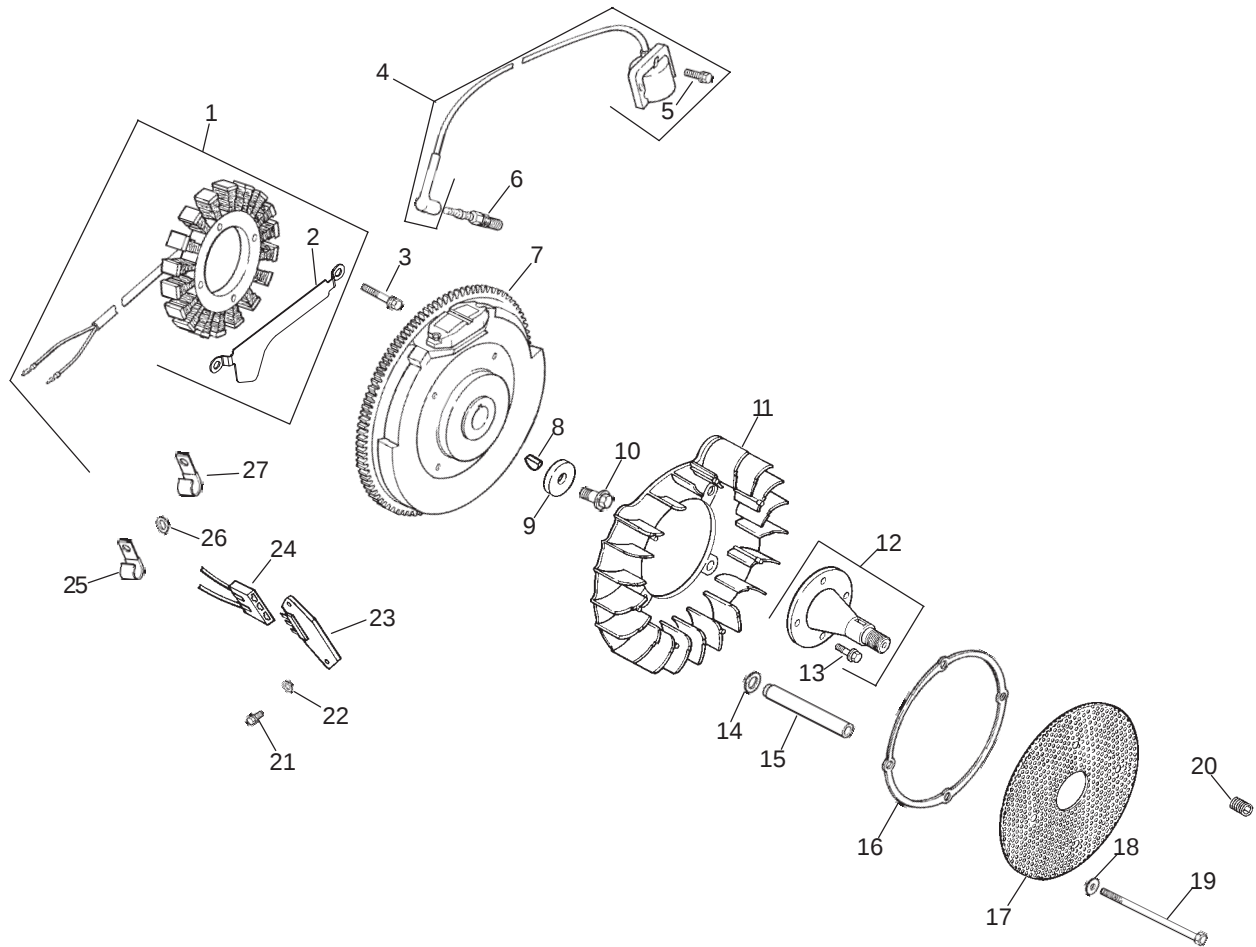
## Group 4 – Head/Valve/Breather Assembly (Continued)

### Kohler CH20S-64684

| Ref. No. | Part No.    | Qty. | Description                       |
|----------|-------------|------|-----------------------------------|
| 32       | 24 050 01-S | 1    | Filter, breather                  |
| 33       | 24 033 01-S | 1    | Kit, breather<br>(Includes 34,35) |
| 34       | 24 041 23-S | 1    | Gasket, breather                  |
| 35       | 24 096 86-S | 1    | Cover, breather                   |
| 36       | M-645020-S  | 4    | Screw, hex. flange<br>M6x1.0x20   |
| 37       | 25 237 08-S | 2    | Clamp, breather                   |
| 38       | 24 326 31-S | 1    | Hose, breather                    |

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

## Obtain Parts from Kohler



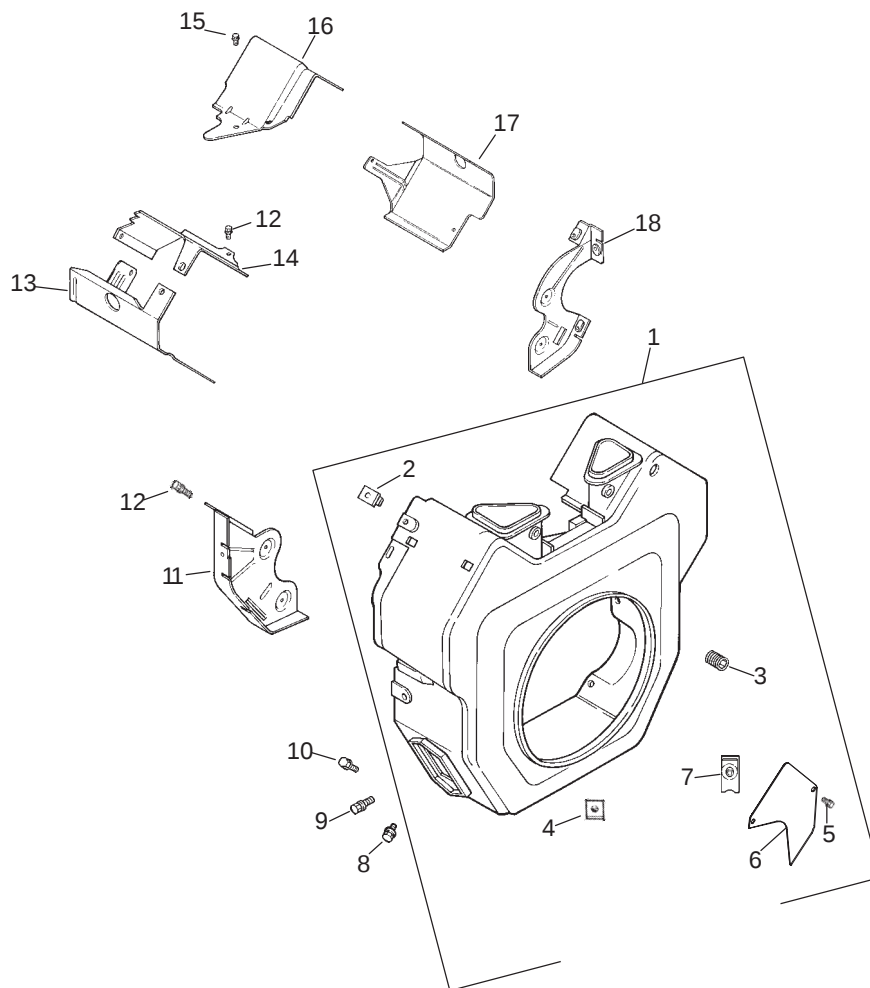
## Group 5 – Ignition/Electrical Assembly Kohler CH20S-64684

| Ref. No. | Part No.    | Qty. | Description                          |
|----------|-------------|------|--------------------------------------|
| 1        | 54 755 09-S | 1    | Kit, 15 amp stator (Includes 2)      |
| 2        | 24 126 71-S | 1    | Bracket, stator wire                 |
| 3        | M-548025-S  | 2    | Screw, hex. cap M5x0.8x25            |
| 4        | 24 584 25-S | 2    | Kit, ignition module (Includes 5)    |
| 5        | M-561025-S  | 4    | Screw, hex. flange M5x0.8x25         |
| 6        | 12 132 06-S | 2    | Spark Plug                           |
| 7        | 24 025 01-S | 1    | Flywheel                             |
| 8        | X-42-15-S   | 1    | Key                                  |
| 9        | 12 468 03-S | 1    | Washer, plain 3/8"                   |
| 10       | 12 086 14-S | 1    | Screw, hex. flange M10x1.5x46        |
| 11       | 24 157 01-S | 1    | Fan                                  |
| 12       | 24 755 08-S | 1    | Kit, front drive shaft (Includes 13) |
| 13       | M-839025-S  | 4    | Screw, hex. flange M8x1.25x25        |
| 14       | 24 468 11-S | 4    | Washer, spring 10 mm                 |
| 15       | 24 112 14-S | 4    | Spacer                               |
| 16       | 24 141 06-S | 1    | Ring, support                        |
| 17       | 24 162 22-S | 1    | Screen, grass                        |

| Ref. No. | Part No.     | Qty. | Description                                                           |
|----------|--------------|------|-----------------------------------------------------------------------|
| 18       | X-25-53-S    | 4    | Washer, plain 1/4"                                                    |
| 19       | M-603100-S   | 4    | Screw, hex. hd. M6x1.0x100                                            |
| 20       | 25 086 43-S  | 1    | Screw, set                                                            |
| 21       | 24 086 18-S  | 2    | Screw, phillips hd. 11-16x7/8"                                        |
| 22       | X-25-92-S    | 2    | Washer, plain 3/16"                                                   |
| 23       | 25 403 03-S  | 1    | Rectifier-regulator 15 amp                                            |
| 24       | 236602-S     | 1    | Connector 3 contact                                                   |
| 25       | 235173-S     | 1    | Clip, cable                                                           |
| 26       | X-25-63-S    | 1    | Washer, plain 1/4"                                                    |
| 27       | 48 154 02-S  | 1    | Clip, cable                                                           |
| *        | 24 518 12-S  | 1    | Lead, black, (5" – 12 gauge – insulated grip barrel eyelet terminals) |
| *        | 24 176 109-S | 1    | Harness, wiring                                                       |
| *        | 25 454 03-S  | 2    | Tie, cable                                                            |
| *        | X-22-11-S    | 1    | Washer, lock (used to ground rectifier-regulator)                     |

Obtain Parts from Kohler

\* Not Illustrated



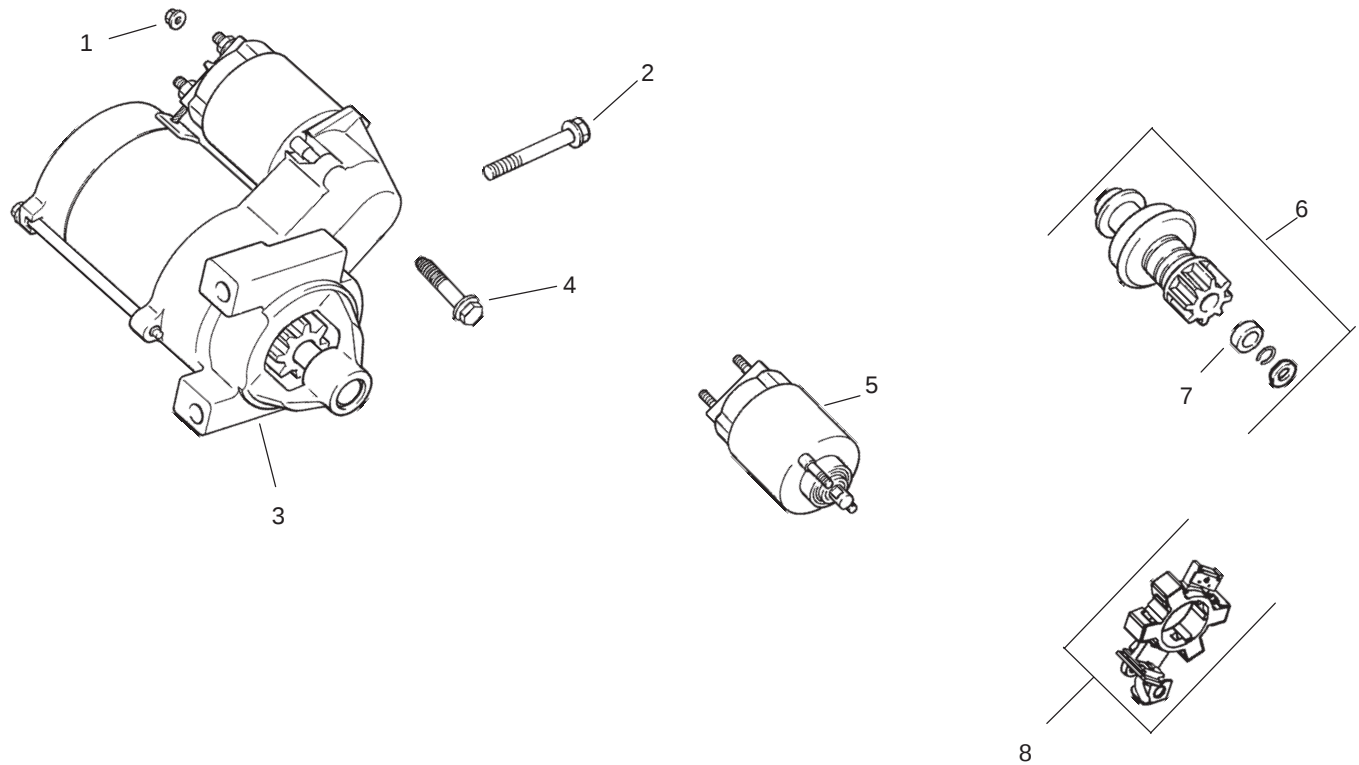
## Group 6 – Blower Housing Assembly Kohler CH20S-64684

| Ref. No. | Part No.    | Qty. | Description                             |
|----------|-------------|------|-----------------------------------------|
| 1        | 54 027 93-S | 1    | Housing, blower assembly (Includes 2-7) |
| 2        | 24 100 01-S | 2    | Nut, plastic                            |
| 3        | 25 086 43-S | 1    | Screw, set                              |
| 4        | 24 100 02-S | 2    | Nut, plastic (2)                        |
| 5        | M-645016-S  | 4    | Screw, hex. flange M6x1.0x16            |
| 6        | 24 096 64-S | 2    | Cover, access panel                     |
| 7        | 25 154 02-S | 4    | Clip, mounting                          |
| 8        | M-551016-S  | 1    | Screw, hex. flange M5x0.8x16            |
| 9        | M-545016-S  | 3    | Screw, hex. flange M5x0.8x16            |
| 10       | M-545020-S  | 4    | Screw, hex. flange M5x0.8x20            |
| 11       | 24 146 16-S | 1    | Plate, backing – #2 side                |
| 12       | M-645016-S  | 6    | Screw, hex. flange M6x1.0x16            |
| 13       | 24 063 20-S | 1    | Baffle, cylinder barrel – #2 side       |
| 14       | 24 063 17-S | 1    | Baffle, valley – #2 side                |

| Ref. No. | Part No.     | Qty. | Description                       |
|----------|--------------|------|-----------------------------------|
| 15       | M-545010-S   | 2    | Screw, hex. flange M5x0.8x10      |
| 16       | 24 063 59-S  | 1    | Baffle, valley – #1 side          |
| 17       | 24 063 58-S  | 1    | Baffle, cylinder barrel – #1 side |
| 18       | 24 146 20-S  | 1    | Plate, backing – #1 side          |
| *        | 24 113 114-S | 1    | Decal, 20 HP                      |

Obtain Parts from Kohler

\* Not Illustrated

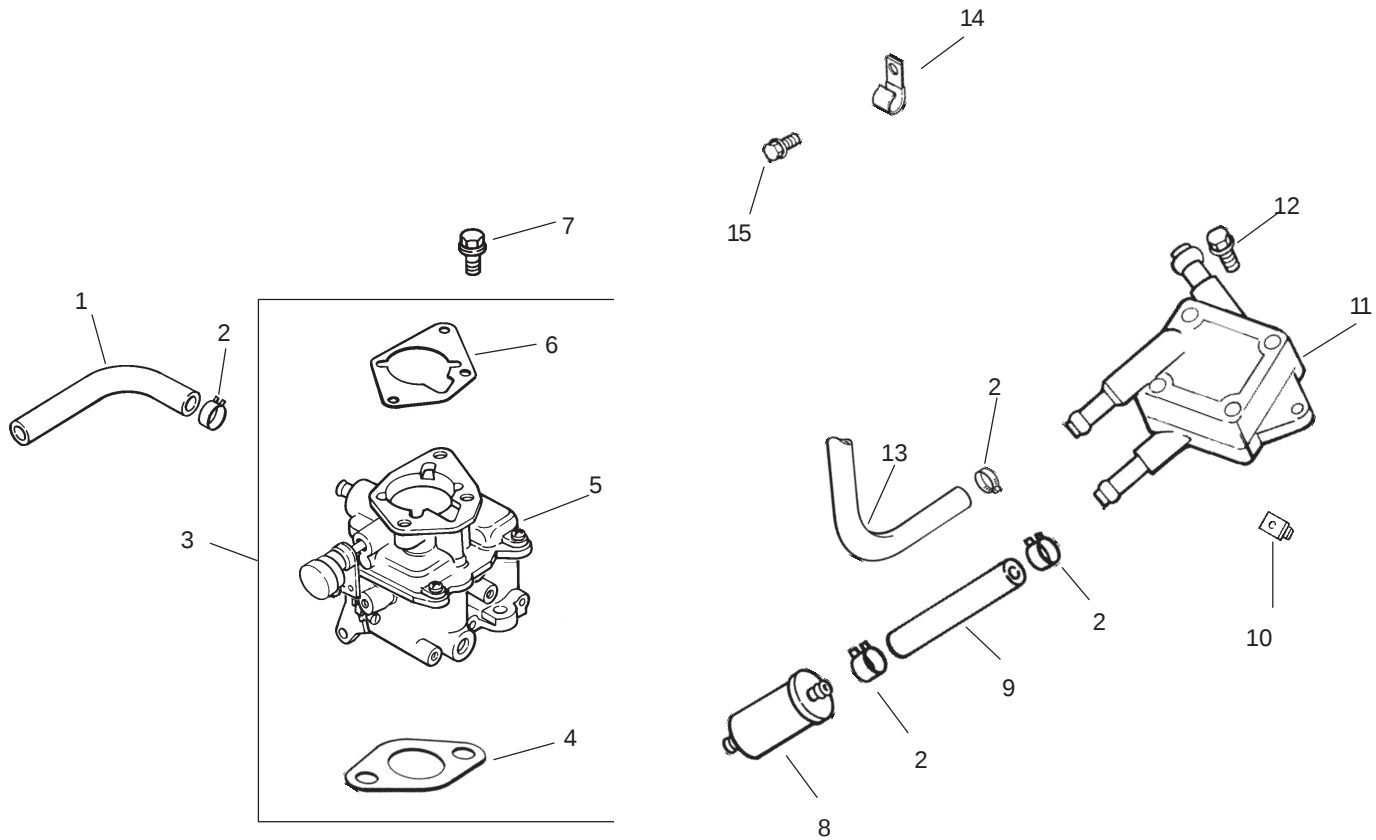


## Group 7 – Starter Assembly Kohler CH20S-64684

| Ref. No. | Part No.     | Qty. | Description                                           |
|----------|--------------|------|-------------------------------------------------------|
| 1        | M-841080-S   | 1    | Nut, hex flange<br>M8x1.25                            |
| 2        | M-839080-S   | 2    | Screw, hex. flange<br>M8x1.25x80                      |
| 3        | 25 098 09-S  | 1    | Starter, solenoid shift<br>assembly<br>(Includes 4-8) |
| 4        | 25 086 113-S | 3    | Screw, external<br>torx hd.                           |
| 5        | 25 435 05-S  | 1    | Kit, solenoid<br>(Includes 4)                         |
| 6        | 25 755 33-S  | 1    | Kit, pinion drive<br>(Includes 7)                     |
| 7        | 25 141 05-S  | 1    | Ring                                                  |
| 8        | 25 221 01-S  | 1    | Kit, brush                                            |

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

## Obtain Parts from Kohler



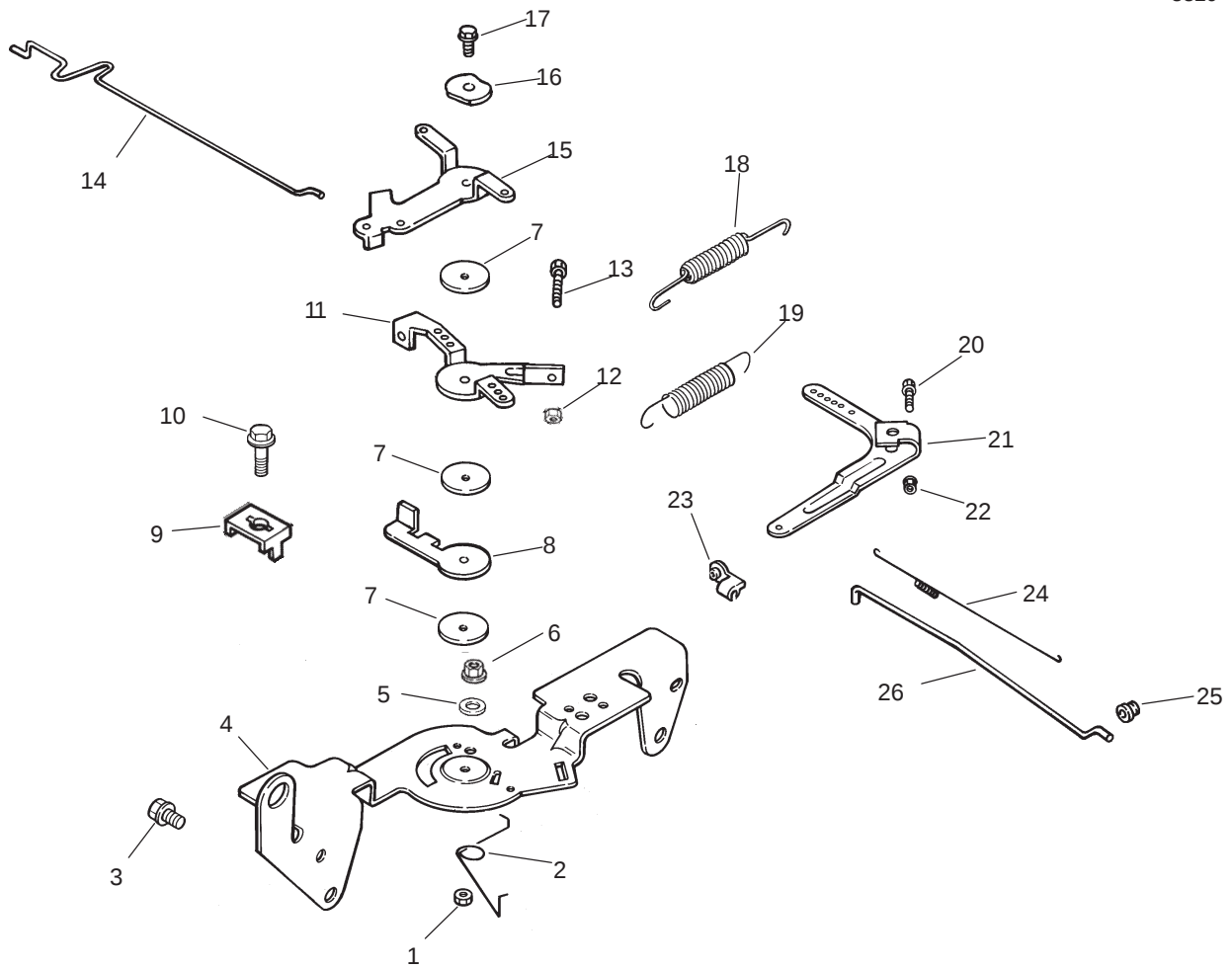
## Group 8 – Fuel System Assembly Kohler CH20S-64684

| Ref. No. | Part No.    | Qty. | Description                                                                                                                                                 |
|----------|-------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1        | 25 353 32-S | 1    | Line, fuel 9"                                                                                                                                               |
| 2        | 25 237 14-S | 6    | Clamp, hose                                                                                                                                                 |
| 3        | 24 853 32-S | 1    | Kit, carburetor w/gaskets (Includes 4-6)                                                                                                                    |
| 4        | 24 041 06-S | 1    | Gasket, air cleaner base                                                                                                                                    |
| 5        | 24 053 32   | 1    | Carburetor assembly (For information only, not available separately) (Service with kits 24 757 01-S, 24 757 02-S, 24 757 03-S, 24 757 07-S, & 24 755 125-S) |
| 6        | 24 041 17-S | 1    | Gasket, carburetor                                                                                                                                          |
| 7        | M-651030-S  | 2    | Screw, hex. flange M6x1.0x30                                                                                                                                |
| 8        | 24 050 02-S | 1    | Filter, fuel                                                                                                                                                |
| 9        | 25 353 15-S | 1    | Line, fuel 3-1/2"                                                                                                                                           |
| 10       | 24 100 01-S | 2    | Nut, plastic                                                                                                                                                |
| 11       | 24 393 16-S | 1    | Pump, fuel – pulse                                                                                                                                          |

| Ref. No. | Part No.     | Qty. | Description                  |
|----------|--------------|------|------------------------------|
| 12       | 24 086 12-S  | 2    | Screw, hex. cap M6x1.7x18    |
| 13       | 24 353 02-S  | 1    | Line, fuel 15-1/2"           |
| 14       | 47 154 01-S  | 1    | Clip, cable                  |
| 15       | M-650012-S   | 1    | Screw, hex. flange M6x1.0x12 |
| *        | 24 757 01-S  | 1    | Kit, solenoid                |
| *        | 24 757 02-S  | 1    | Kit, float                   |
| *        | 24 757 03-S  | 1    | Kit, carburetor repair       |
| *        | 24 757 07-S  | 1    | Kit, choke repair            |
| *        | 24 755 125-S | 1    | Kit, high altitude w/gaskets |

**Obtain Parts from Kohler**

\* Not Illustrated

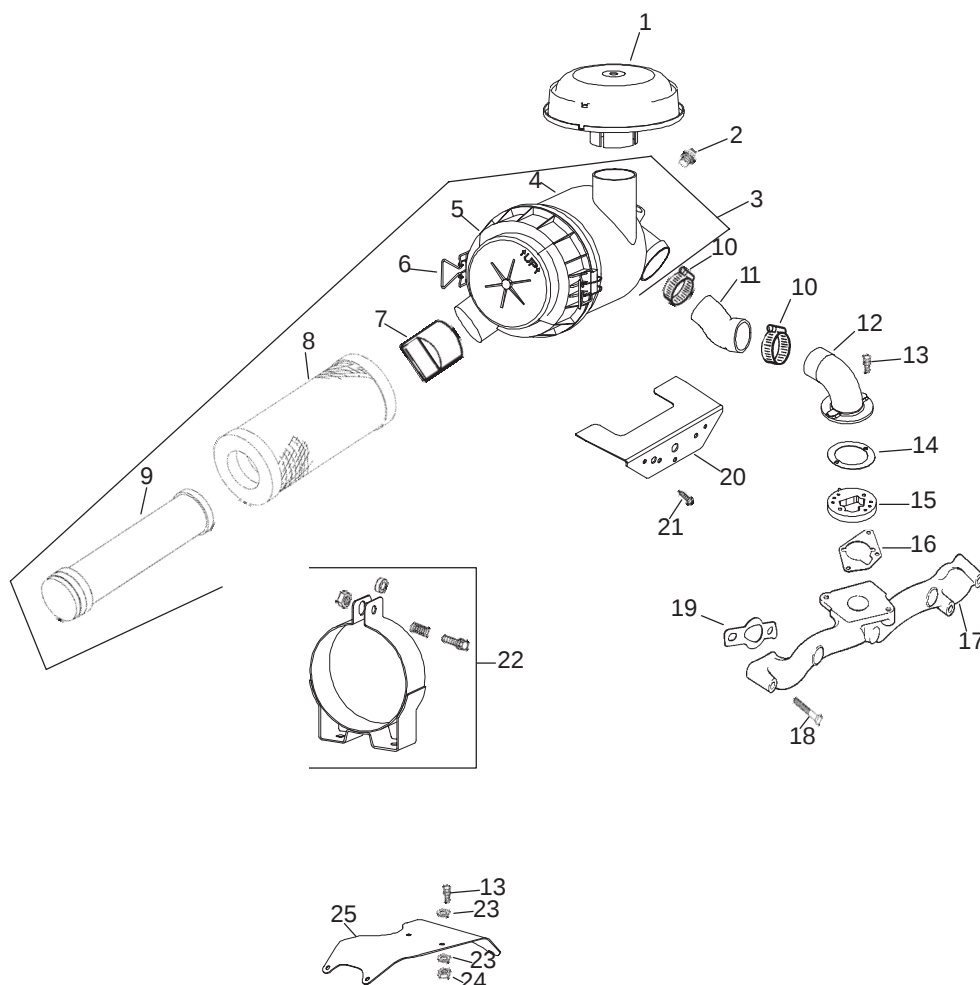


## Group 9 – Engine Control Assembly Kohler CH20S-64684

| Ref. No. | Part No.    | Qty. | Description                  |
|----------|-------------|------|------------------------------|
| 1        | M-547050-S  | 1    | Nut, hex. lock M5x0.8        |
| 2        | 24 089 03-S | 1    | Spring, choke return         |
| 3        | M-645016-S  | 4    | Screw, hex. flange M6x1.0x16 |
| 4        | 24 126 56-S | 1    | Bracket, control             |
| 5        | X-20-1-S    | 1    | Washer, lock 1/4             |
| 6        | M-541050-S  | 1    | Nut, hex. flange M5x0.8      |
| 7        | 24 468 01-S | 3    | Washer, plain 5.5 mm         |
| 8        | 24 090 07-S | 1    | Lever, throttle actuator     |
| 9        | 12 237 01-S | 2    | Clamp, cable                 |
| 10       | M-545016-S  | 3    | Screw, hex. flange M5x0.8x16 |
| 11       | 24 090 03-S | 1    | Lever, throttle control      |
| 12       | M-446030-S  | 1    | Nut, hex M4x0.7              |
| 13       | M-401030-S  | 1    | Screw, hex. cap M4x0.7x30    |
| 14       | 24 079 21-S | 1    | Linkage, choke               |
| 15       | 24 090 05-S | 1    | Lever, choke                 |
| 16       | 41 468 03-S | 1    | Washer, spring 1/4"          |
| 17       | M-545020-S  | 1    | Screw, hex. flange M5x0.8x20 |
| 18       | 24 089 51-S | 1    | Spring, throttle limiter     |
| 19       | 24 089 48-S | 1    | Spring, governor             |

| Ref. No. | Part No.    | Qty. | Description                  |
|----------|-------------|------|------------------------------|
| 20       | 24 211 03-S | 1    | Bolt round head, square neck |
| 21       | 24 090 33-S | 1    | Lever, governor              |
| 22       | M-641060-S  | 1    | Nut, hex. flange M6x1.0      |
| 23       | 25 158 11-S | 1    | Bushing, linkage retaining   |
| 24       | 24 089 01-S | 1    | Spring, linkage              |
| 25       | 25 158 08-S | 1    | Bushing, linkage retaining   |
| 26       | 24 079 01-S | 1    | Linkage, throttle            |

Obtain Parts from Kohler



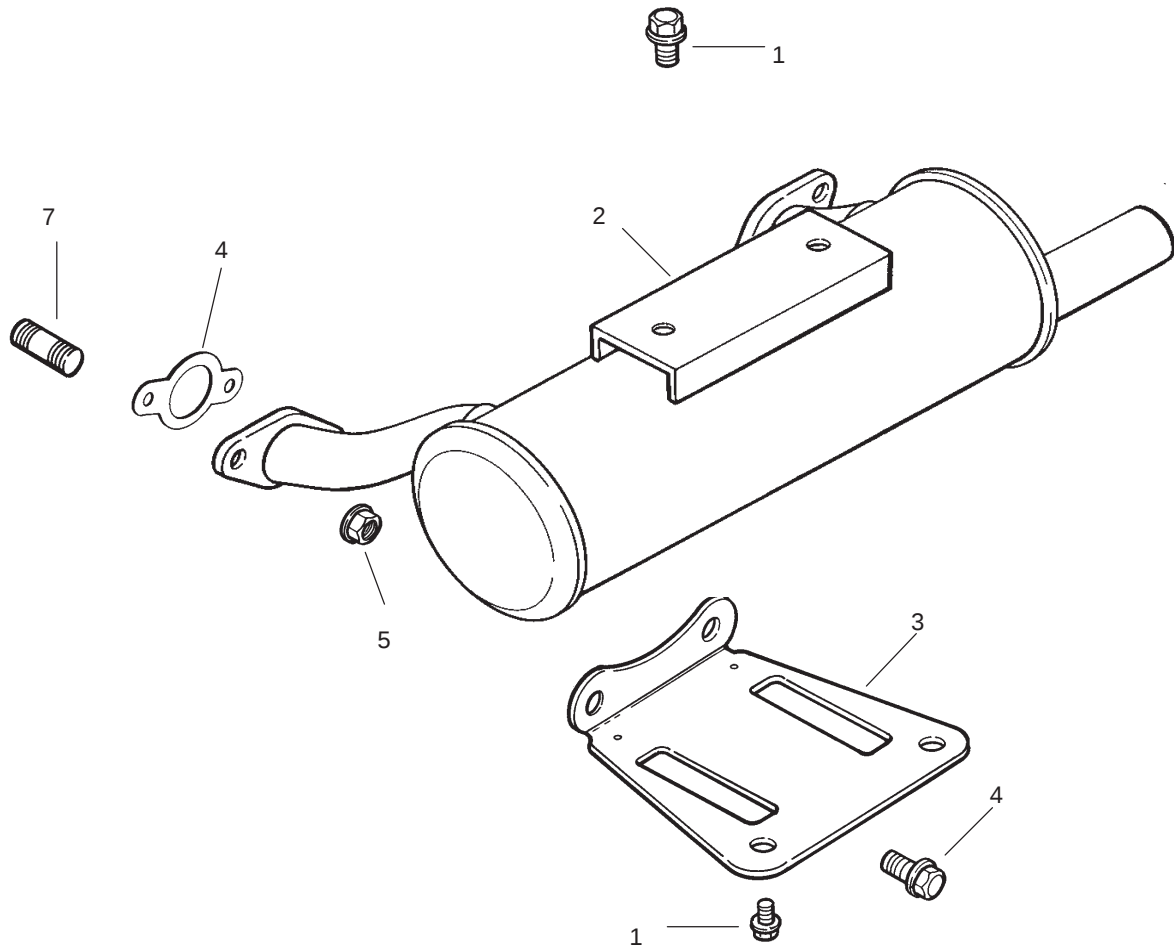
## Group 10 – Air Intake/Filtration Assembly Kohler CH20S-64684

| Ref. No. | Part No.    | Qty. | Description                               |
|----------|-------------|------|-------------------------------------------|
| 1        | 25 324 02-S | 1    | Hood, air cleaner                         |
| 2        | 25 139 20-S | 1    | Plug, pipe                                |
| 3        | 25 048 07-S | 1    | Cleaner, heavy duty air<br>(Includes 4-9) |
| 4        | 25 081 01-S | 1    | Housing, heavy duty air<br>cleaner        |
| 5        | 25 096 06-S | 1    | Cover, heavy duty air<br>cleaner          |
| 6        | 25 154 05-S | 2    | Clip                                      |
| 7        | 24 462 07-S | 1    | Valve, dust ejector                       |
| 8        | 25 083 01-S | 1    | Element – primary                         |
| 9        | 25 083 04-S | 1    | Element □ safety filter                   |
| 10       | 25 237 07-S | 2    | Clamp, hose                               |
| 11       | 24 326 32-S | 1    | Hose, air cleaner                         |
| 12       | 24 029 21-S | 1    | Adapter, remote air<br>cleaner            |
| 13       | M-639016-S  | 6    | Screw, hex. flange<br>M6x1.0x16           |
| 14       | 24 041 34-S | 1    | Gasket, adapter                           |
| 15       | 24 029 26-S | 1    | Adapter                                   |
| 16       | 24 041 06-S | 1    | Gasket, air cleaner<br>base               |
| 17       | 24 164 14-S | 1    | Manifold, intake                          |

| Ref. No. | Part No.    | Qty. | Description                       |
|----------|-------------|------|-----------------------------------|
| 18       | 25 086 84-S | 4    | Screw, hex. flange<br>M6x1.0x55   |
| 19       | 24 041 01-S | 2    | Gasket, intake manifold           |
| 20       | 24 314 25-S | 1    | Shield, debris                    |
| 21       | 24 086 06-S | 2    | Screw, phillips hd.<br>11-16x3/4" |
| 22       | 25 126 02-S | 1    | Bracket, air cleaner              |
| 23       | X-25-73-S   | 4    | Washer, plain 1/4"                |
| 24       | M-647060-S  | 2    | Nut, hex. lock M6x0.8             |
| 25       | 24 126 98-S | 1    | Bracket, air cleaner              |
| *        | 25 113 27-S | 1    | Decal, air cleaner                |

Obtain Parts from Kohler

\* Not Illustrated



## Group 11 – Exhaust Assembly Kohler CH20S-64684

| Ref. No. | Part No.     | Qty. | Description                                   |
|----------|--------------|------|-----------------------------------------------|
| 1        | M-650012-S   | 4    | Screw, hex. flange<br>M6x1.0x12               |
| 2        | 24 068 18-S  | 1    | Muffler, canister –<br>oil filter side outlet |
| 3        | 24 126 12-S  | 1    | Bracket, muffler –<br>low mount               |
| 4        | M-839020-S   | 2    | Screw, hex. flange<br>M8x1.25x80              |
| 5        | M-841080-S   | 4    | Nut, hex. flange<br>M8x1.25                   |
| 6        | 24 041 49-S  | 2    | Gasket, exhaust                               |
| 7        | 25 072 04-S  | 4    | Stud M8x1.25x33                               |
| *        | 24 522 167   | 1    | Shortblock                                    |
| *        | 24 782 15    | 1    | Miniblock                                     |
| *        | 24 755 107-S | 1    | Gasket Set                                    |

## Obtain Parts from Kohler

