



# Dingo<sup>®</sup> 220

## Compact Utility Loader

Model No. 22311—220000001 and Up

## Parts Catalog

### Ordering Replacement Parts

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

### Understanding Reference Numbers

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

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

### Service Assembly Reference Numbers

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

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

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

### Reference Numbers Indicating Quantity

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

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

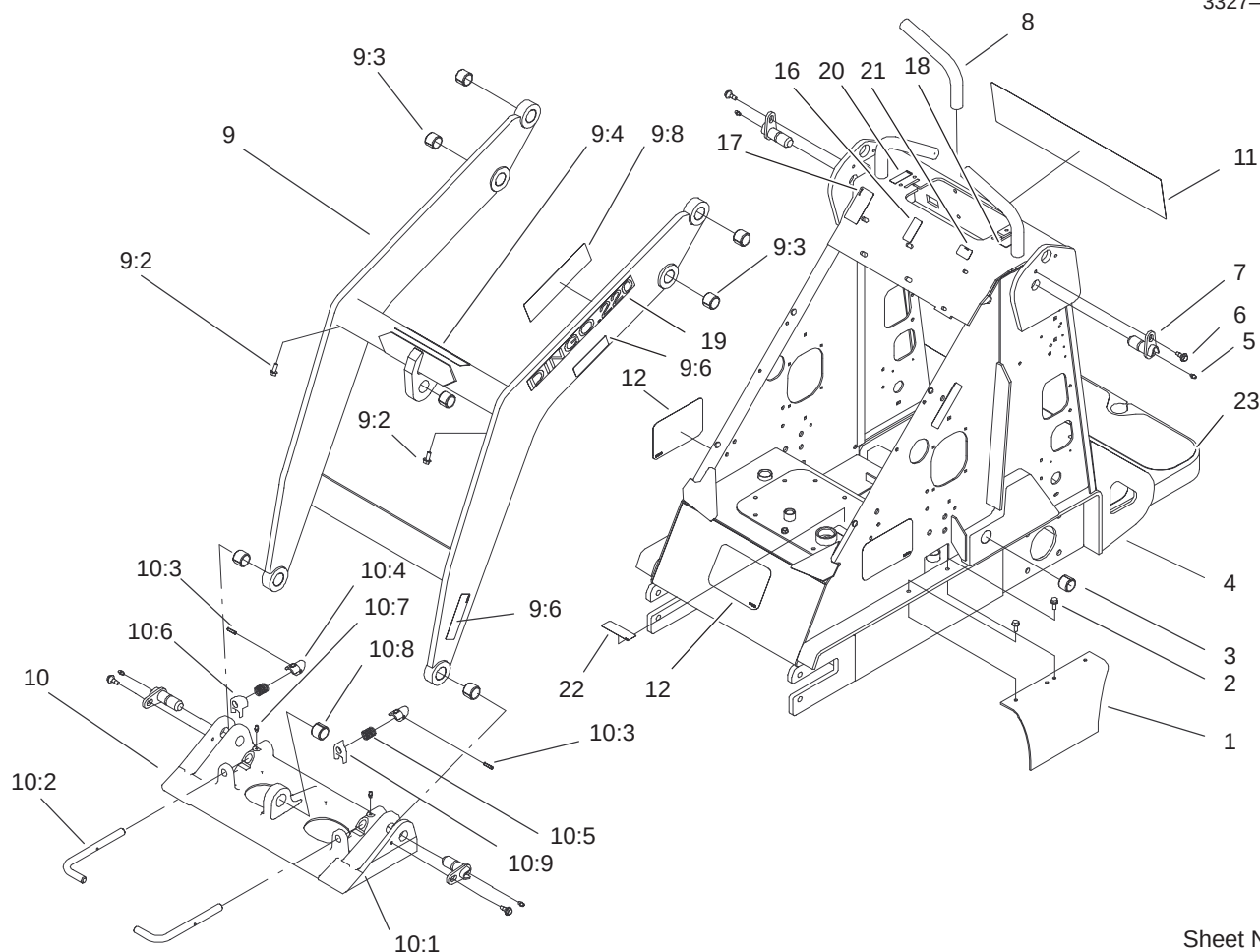
## Contents

| Description                                  | Page | Description                               | Page |
|----------------------------------------------|------|-------------------------------------------|------|
| Frame and Loader Arm Assembly .....          | 3    | Group 2 – Crankcase Assembly              |      |
| Front Wheel Assembly .....                   | 4    | Kohler CH20S PS–64667 .....               | 21   |
| Rear Wheel Assembly .....                    | 5    | Group 3 – Oil Pan/Lubrication Assembly    |      |
| Hydraulic Motor Assembly No. 99–3052 .....   | 6    | Kohler CH20S PS–64667 .....               | 22   |
| Engine Assembly .....                        | 7    | Group 4 – Head/Valve/Breather Assembly    |      |
| Hydraulic Assembly .....                     | 8    | Kohler CH20S PS–64667 .....               | 23   |
| Hydraulic Assembly (Continued) .....         | 9    | Group 5 – Ignition/Electrical Assembly    |      |
| Hydraulic Valve Assembly No. 104–4221 .....  | 10   | Kohler CH20S PS–64667 .....               | 24   |
| Hydraulic Valve Assembly No. 99–3072 .....   | 11   | Group 6 – Blower Housing Assembly         |      |
| Hydraulic Valve Assembly No. 99–3077 .....   | 12   | Kohler CH20S PS–64667 .....               | 25   |
| Hydraulic Traction Assembly .....            | 13   | Group 7 – Starter Assembly                |      |
| Hydraulic Valve Kit Assembly No. 105–8406 .. | 14   | Kohler CH20S PS–64667 .....               | 26   |
| Hydraulic Cylinder Assembly .....            | 15   | Group 8 – Fuel System Assembly            |      |
| Kit–Hydraulic Cylinder Assembly No. 100–4163 | 16   | Kohler CH20S PS–64667 .....               | 27   |
| Electrical Assembly .....                    | 17   | Group 9 – Engine Control Assembly         |      |
| Electrical Schematic .....                   | 18   | Kohler CH20S PS–64667 .....               | 28   |
| Hydraulic Schematic .....                    | 19   | Group 10 – Air Intake/Filtration Assembly |      |
| Group 1 – Crankshaft Assembly                |      | Kohler CH20S PS–64667 .....               | 29   |
| Kohler CH20S PS–64667 .....                  | 20   | Group 11 – Exhaust Assembly               |      |
|                                              |      | Kohler CH20S PS–64667 .....               | 30   |

## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

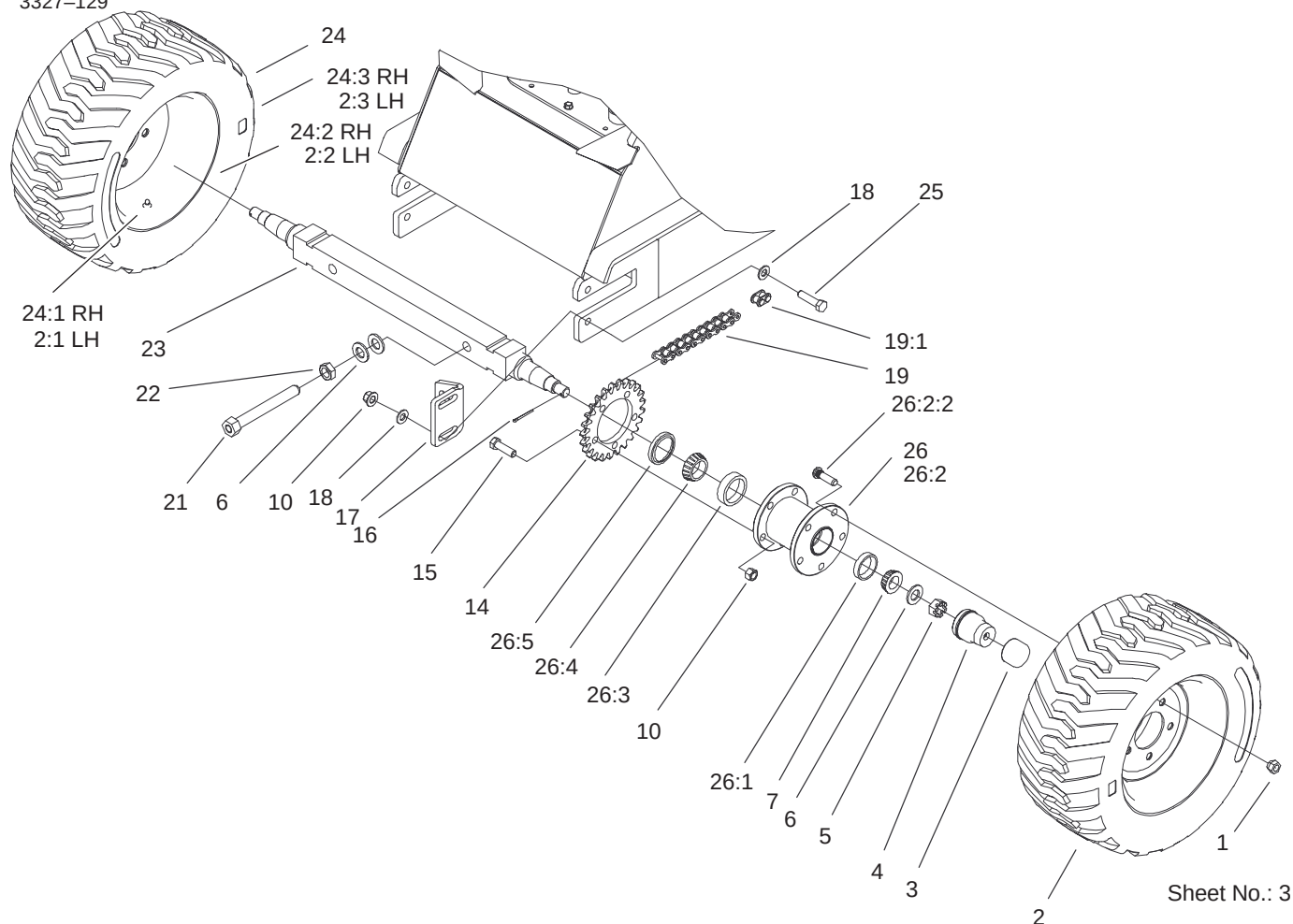
| Abbreviation | Meaning                           | Abbreviation | Meaning                 |
|--------------|-----------------------------------|--------------|-------------------------|
| AR .....     | as required                       | HYD .....    | hydraulic               |
| ASM .....    | assembly                          | 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               |



Sheet No.: 2

## Frame and Loader Arm Assembly

| Ref. No. | Part No.    | Qty. | Description                    | Ref. No. | Part No. | Qty. | Description                  |
|----------|-------------|------|--------------------------------|----------|----------|------|------------------------------|
| 1        | 98-4669-01  | 2    | Cover-Chain                    | 11       | 99-1385  | 1    | Decal-Panel, Instrument      |
| 2        | 32144-70    | 4    | Screw-HH                       | 12       | 62-5550  | 3    | Decal-Toro                   |
| 3        | 98-4871     | 2    | Bushing-Tension                | 16       | 98-8235  | 1    | Decal-Selector               |
| 4        | 99-1355     | 1    | Frame ASM                      | 17       | 98-4677  | 1    | Decal-Power, Auxiliary       |
| 5        | 302-5       | 4    | Fitting-Grease                 | 18       | 98-8219  | 1    | Decal-Throttle               |
| 6        | 99-5105     | 4    | Bolt-Shoulder                  | 19       | 105-6229 | 2    | Decal-Dingo 220              |
| 7        | 99-1414     | 4    | Pin-Pivot                      | 20       | 94-2551  | 1    | Decal-Choke                  |
| 8        | 98-4845     | 2    | Grip-Cushion                   | 21       | 98-8220  | 1    | Decal-Limiter, Speed         |
| 9        | 105-8366    | 1    | Loader ASM                     | 22       | 105-8404 | 1    | Decal - Hydraulic Oil, 10w30 |
| 9:2      | 32144-70    | 2    | Screw-HH                       | 23       | 98-9947  | 2    | Tread-Foot                   |
| 9:3      | 98-4871     | 7    | Bushing-Tension                |          |          |      |                              |
| 9:4      | 98-4682     | 1    | Decal-Caution                  |          |          |      |                              |
| 9:5      | 98-9051     | 1    | Decal-Danger                   |          |          |      |                              |
| 9:6      | 100-6141    | 4    | Decal-Pinch                    |          |          |      |                              |
| 10       | 105-8364    | 1    | Quick Attach ASM               |          |          |      |                              |
| 10:1     | 105-0245-03 | 1    | Mount-Attach, Quick            |          |          |      |                              |
| 10:2     | 105-8367    | 2    | Pin-Locking, Qtach             |          |          |      |                              |
| 10:3     | 3285-1      | 2    | Pin-Grooved, Type-A (7/32 X 1) |          |          |      |                              |
| 10:4     | 105-0246    | 2    | Cam-Qtach                      |          |          |      |                              |
| 10:5     | 98-4694     | 2    | Spring-Compression             |          |          |      |                              |
| 10:6     | 104-5909    | 1    | Stop-RH, Qtach                 |          |          |      |                              |
| 10:7     | 302-5       | 2    | Fitting-Grease                 |          |          |      |                              |
| 10:8     | 98-4871     | 1    | Bushing-Tension                |          |          |      |                              |
| 10:9     | 104-5903    | 1    | Stop-LH, Qtach                 |          |          |      |                              |

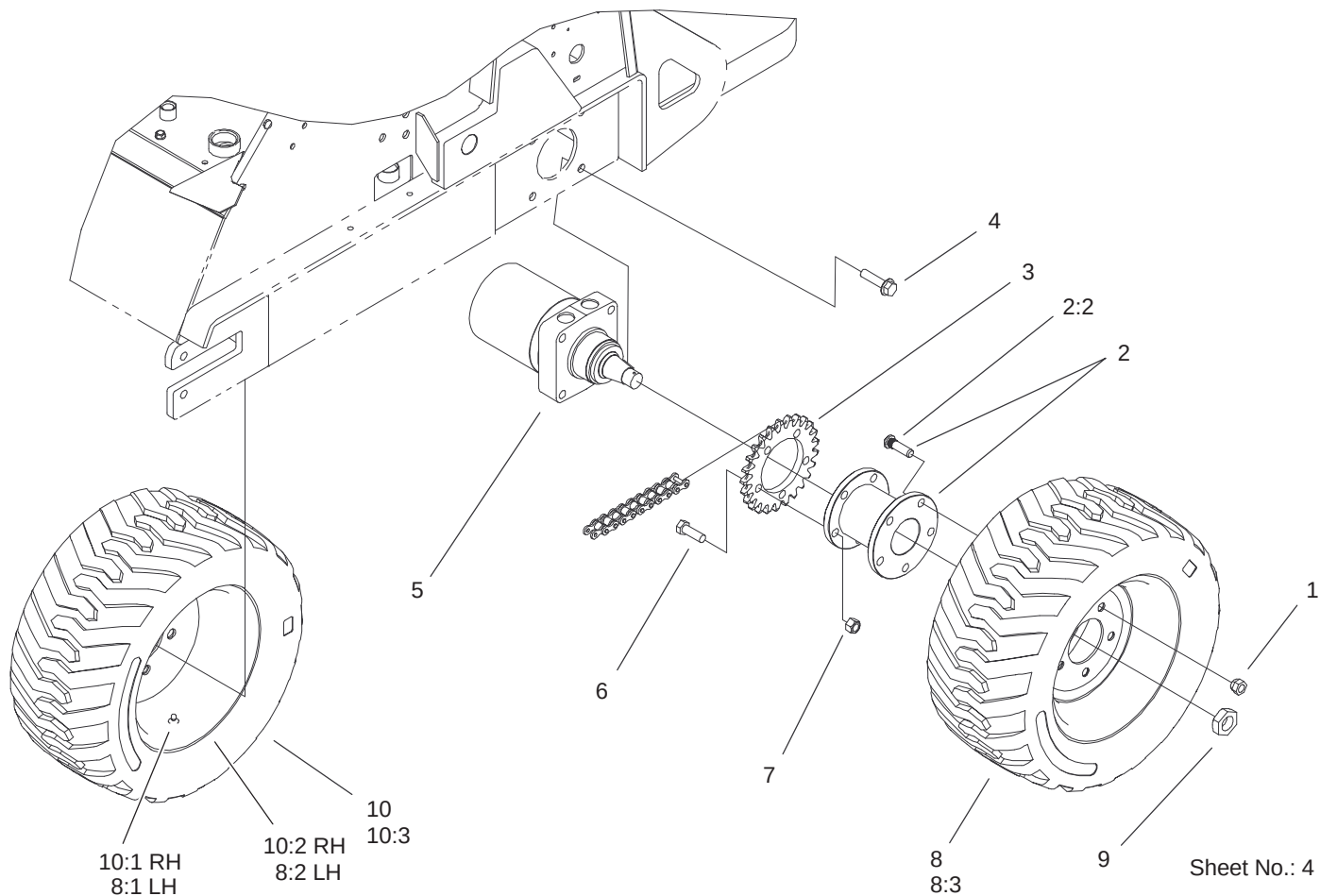


## Front Wheel Assembly

| Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|------------------------|
| 1        | 242-50     | 10   | Nut-Lug                |
| 2        | 98-2747    | 1    | LH Wheel & Tire ASM    |
| 2:1      | 232-27     | 1    | Stem-Valve             |
| 2:2      | 98-2748    | 1    | Wheel                  |
| 2:3      | 98-2749    | 1    | Tire ,Loader Style     |
| 3        | 100-3809   | 2    | Cap-Protector, Bearing |
| 4        | 100-3769   | 2    | Buddy-Bearing          |
| 5        | 32136-5    | 2    | Nut-Slotted            |
| 6        | 3256-28    | 6    | Washer-Flat            |
| 7        | 254-94     | 2    | Bearing-Cone, Taper    |
| 10       | 3296-23    | 14   | Nut-Lock, NI           |
| 14       | 98-9937    | 2    | Sprocket - 25t         |
| 15       | 325-7      | 10   | Screw-HH               |
| 16       | 3272-12    | 2    | Pin-Cotter             |
| 17       | 99-5106-03 | 2    | Bracket-Axle           |
| 18       | 3256-26    | 8    | Washer-Flat            |
| 19       | 98-4906    | 2    | Chain Roller           |
| 19:1     | 98-9089    | 1    | Link - Connecting      |
| 21       | 98-4706    | 2    | Bolt-Tension           |
| 22       | 3217-12    | 2    | Nut-Hex                |
| 23       | 98-4825    | 1    | Axle Shaft             |
| 24       | 99-1447    | 1    | RH Wheel & Tire ASM    |
| 24:1     | 232-27     | 1    | Stem-Valve             |
| 24:2     | 98-2748    | 1    | Wheel                  |
| 24:3     | 98-2749    | 1    | Tire ,Loader Style     |

| Ref. No. | Part No. | Qty. | Description           |
|----------|----------|------|-----------------------|
| 25       | 325-8    | 4    | Screw-HH              |
| ☆26      |          | 2    | Hub-Front             |
| 26:1     | 254-72   | 1    | Bearing-Cup, Tapered  |
| 26:2     | 100-9989 | 1    | Hub-ASM, Front        |
| 26:2:2   | 10-6830  | 5    | Stud-Type, Drive      |
| 26:3     | 254-107  | 1    | Cup-Bearing, Tapered  |
| 26:4     | 254-106  | 1    | Cone-Bearing, Tapered |
| 26:5     | 98-4705  | 1    | Seal-Bearing, Wheel   |

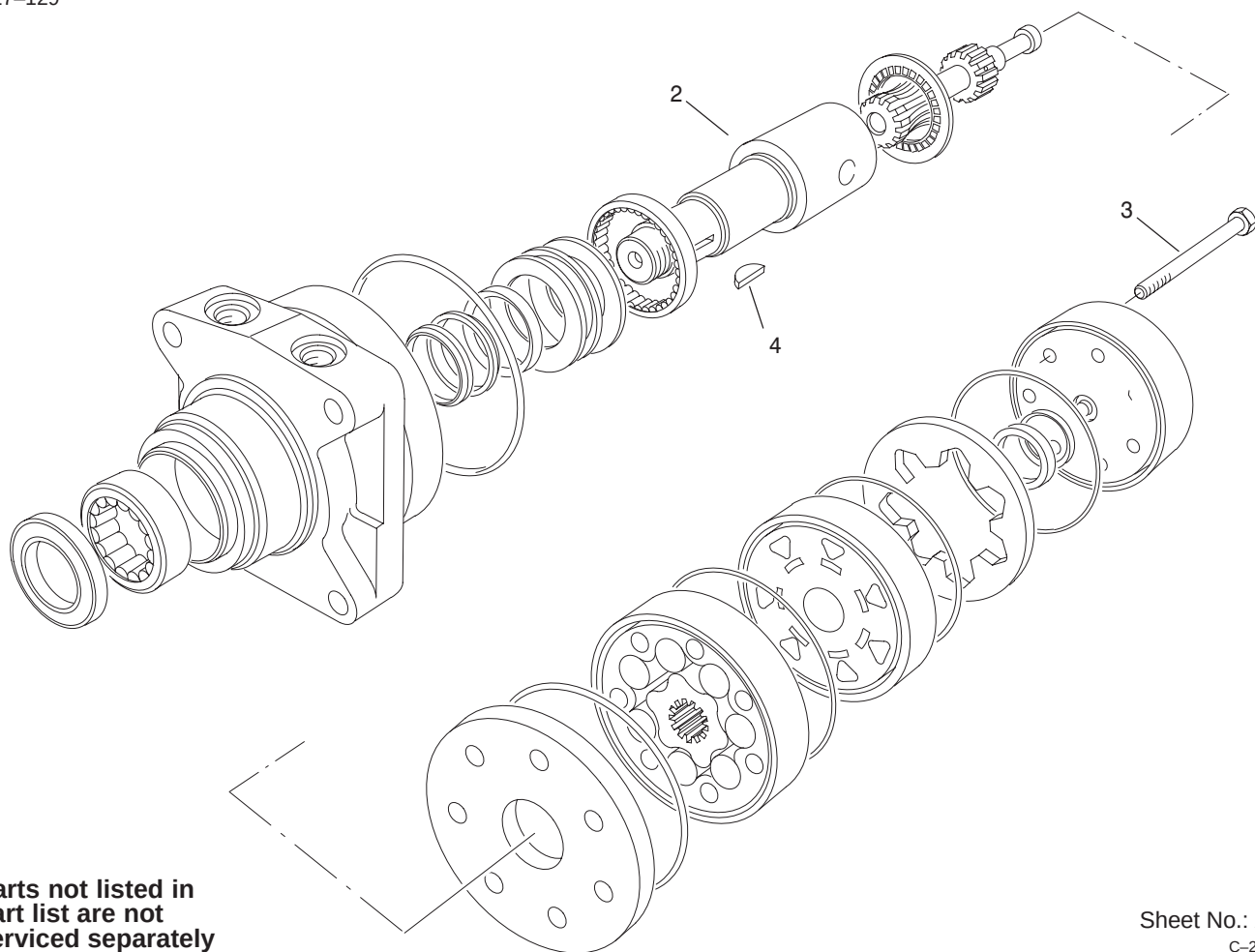
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## Rear Wheel Assembly

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 1        | 242-50   | 10   | Nut-Lug             |
| 2        | 100-9990 | 2    | Rear Hub ASM        |
| 2:2      | 10-6830  | 5    | Stud-Type, Drive    |
| 3        | 98-9937  | 2    | Sprocket - 25t      |
| 4        | 3234-27  | 8    | Screw-Flange        |
| 5        | 99-3052  | 2    | Hydraulic Motor ASM |
| 6        | 325-7    | 10   | Screw-HH            |
| 7        | 3296-23  | 10   | Nut-Lock, NI        |
| 8        | 98-2747  | 1    | LH Wheel & Tire ASM |
| 8:1      | 232-27   | 1    | Stem-Valve          |
| 8:2      | 98-2748  | 1    | Wheel               |
| 8:3      | 98-2749  | 1    | Tire ,Loader Style  |
| 9        | 26-3790  | 2    | Nut-Lock            |
| 10       | 99-1447  | 1    | RH Wheel & Tire ASM |
| 10:1     | 232-27   | 1    | Stem-Valve          |
| 10:2     | 98-2748  | 1    | Wheel               |
| 10:3     | 98-2749  | 1    | Tire ,Loader Style  |

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



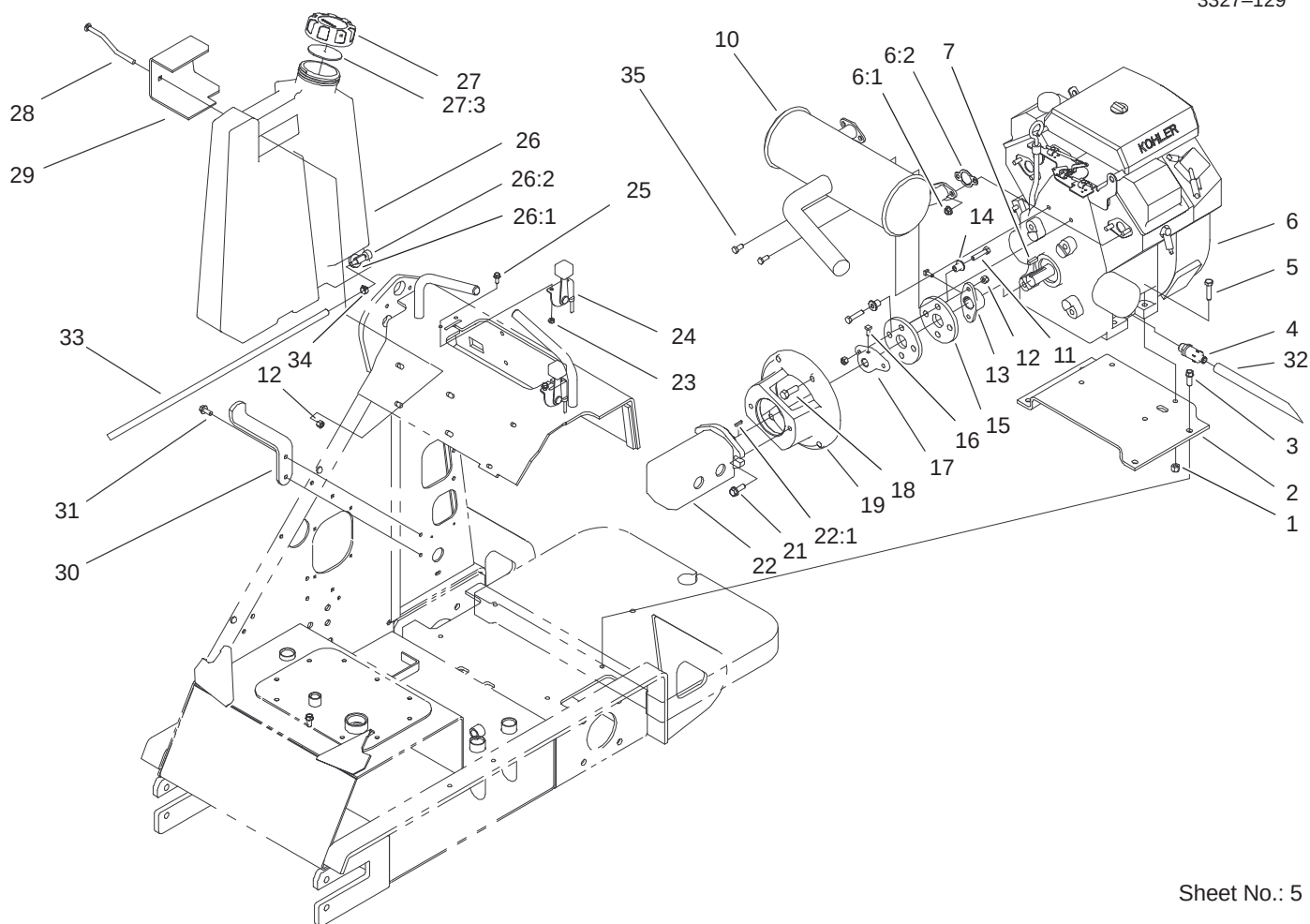
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C-2980

# Hydraulic Motor Assembly No. 99-3052

| Ref. No. | Part No. | Qty. | Description       |
|----------|----------|------|-------------------|
| 1        | 94-8178  | 1    | Seal Kit          |
| ☆1:1     |          | 1    | Seal-Dirt & Water |
| ☆1:2     |          | 1    | Washer-Backup     |
| ☆1:3     |          | 5    | Seal-Ring         |
| ☆1:4     |          | 1    | Washer-Backup     |
| ☆1:5     |          | 1    | Seal-Inner        |
| ☆1:6     |          | 1    | Seal-Commutator   |
| 2        | 99-3090  | 1    | Coupling-Shaft    |
| 3        | 99-3091  | 7    | Screw-Cap, HH     |
| 4        | 3257-42  | 1    | Key-Woodruff      |

| Ref. No. | Part No. | Qty. | Description |
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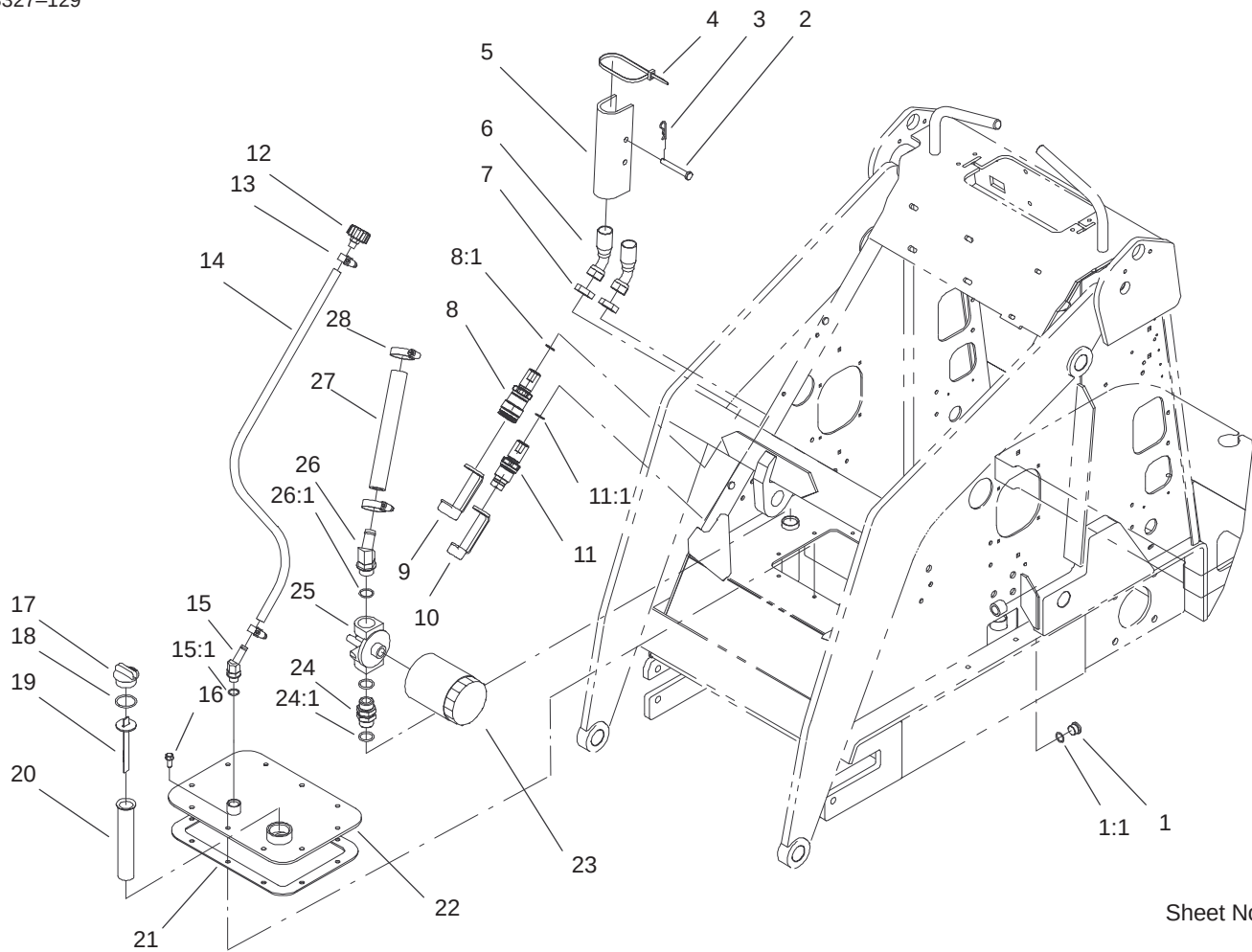
Sheet No.: 5

## Engine Assembly

| Ref. No. | Part No.   | Qty. | Description                  | Ref. No. | Part No.   | Qty. | Description              |
|----------|------------|------|------------------------------|----------|------------|------|--------------------------|
| 1        | 3296-39    | 4    | Nut-Lock, NI                 | 24       | 85-9310    | 2    | Control-Choke / Throttle |
| 2        | 98-4666-03 | 1    | Mount-Engine                 | 25       | 3234-33    | 4    | Screw-HHF                |
| 3        | 95-1726    | 4    | Screw-Taptite W/Patch        | 26       | 105-4052   | 1    | RH Fuel Tank ASM         |
| 4        | 92-6877    | 1    | Valve-Drain, Oil             | 26:1     | 46-6560    | 1    | Bushing                  |
| 5        | 323-9      | 4    | Screw-HH                     | 26:2     | 104048     | 1    | Valve-Fuel               |
| 6        |            | 1    | Engine-Kohler Ch20s Ps-64667 | 27       | 104-7418   | 1    | Cap-Fuel, Gas            |
| 6:1      | 92-6780    | 4    | Nut-HF                       | 27:3     | 104-7420   | 1    | Gasket-Vented            |
| 6:2      | 93-0350    | 2    | Gasket-Exhaust               | 28       | 98-4657    | 1    | Bolt-Mount               |
| 7        | 10-7070    | 1    | Key-Square                   | 29       | 98-4655-03 | 1    | Plate-Mount              |
| 10       | 100-1711   | 1    | Muffler-Kohler               | 30       | 98-4656-03 | 1    | Mount-Bottom, Tank       |
| 11       | 322-7      | 4    | Screw-HH                     | 31       | 32144-70   | 2    | Screw-HH                 |
| 12       | 3296-29    | 5    | Nut-Lock, NI                 | 32       | 98-4667    | 1    | Hose-Drain, Oil          |
| 13       | 27-1960    | 1    | Hub-Engine                   | 33       | 98-4668    | 1    | Hose-Fuel                |
| 14       | 71-4411    | 4    | Spacer                       | 34       | 92-2379    | 2    | Clamp-Hose               |
| 15       | 44-2230    | 2    | Coupling-Rubber              | 35       | 33114-020  | 2    | Screw-HH                 |
| 16       | 3241-6     | 4    | Screw-SQH                    |          |            |      |                          |
| 17       | 98-4701    | 1    | Hub-Pump                     |          |            |      |                          |
| 18       | 324-6      | 4    | Screw-HH                     |          |            |      |                          |
| 19       | 98-2751-03 | 1    | Mount-Pump                   |          |            |      |                          |
| 21       | 66-9300    | 2    | Screw-HF                     |          |            |      |                          |
| 22       | 98-4702    | 1    | Pump-Gear, Tandem            |          |            |      |                          |
| 22:1     | 98-4700    | 1    | Key-Square                   |          |            |      |                          |
| *22:2    | 99-1353    | 1    | Kit-Seal, Pump               |          |            |      |                          |
| 23       | 3296-42    | 4    | Nut-Lock, NI                 |          |            |      |                          |

\* Not illustrated





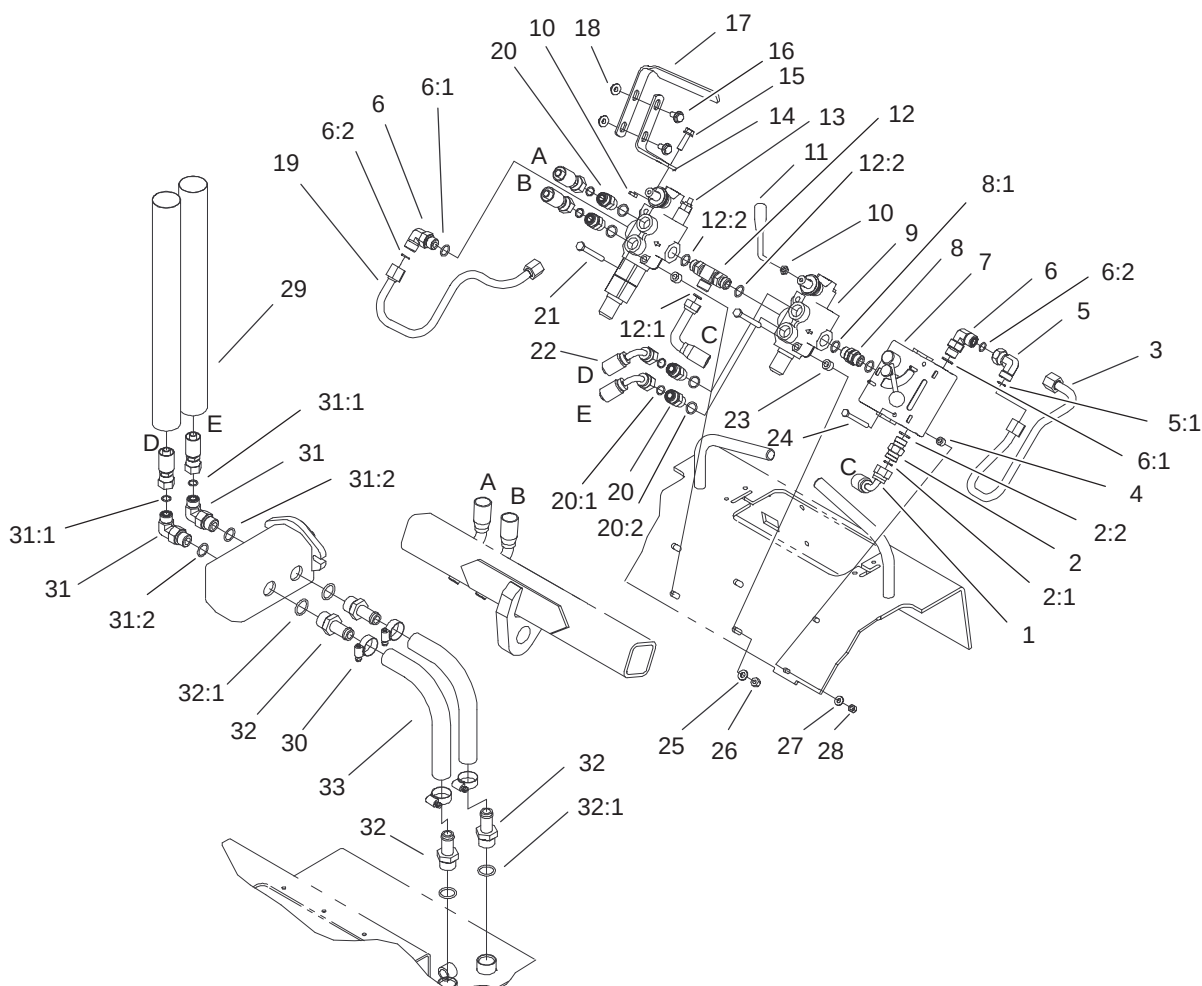
Sheet No.: 6

## Hydraulic Assembly

| Ref. No. | Part No.   | Qty. | Description           |
|----------|------------|------|-----------------------|
| 1        | 353-988    | 1    | Plug-Hex, Hollow      |
| 1:1      | 237-79     | 1    | O-Ring                |
| 2        | 283-52     | 2    | Pin-Clevis            |
| 3        | 3290-467   | 2    | Pin-Hair              |
| 4        | 3290-379   | 9    | Tie-Cable             |
| 5        | 98-4675-01 | 2    | Lock-Cylinder         |
| 6        | 100-8817   | 2    | Hose-Aux              |
| 7        | 340-74     | 2    | Locknut-Bulkhead      |
| 8        | 105-8394   | 1    | Coupler ASM, Bulkhead |
| 8:1      | 237-65     | 1    | O-Ring                |
| 8:2      | 105-8396   | 1    | Kit - Seal            |
| 9        | 100-8816   | 1    | Cap-Dust, Coupler     |
| 10       | 100-8815   | 1    | Cap-Dust, Nipple      |
| 11       | 105-8395   | 1    | Nipple ASM, Bulkhead  |
| 11:1     | 237-65     | 1    | O-Ring                |
| 11:2     | 100-6120   | 1    | Kit-Seal              |
| 12       | 68-6150    | 1    | Breather-Air          |
| 13       | 2412-36    | 2    | Clamp-Hose            |
| 14       | 98-2708    | 1    | Hose-Vent             |
| 15       | 354-126    | 1    | Fitting-HYD, 45°      |
| 15:1     | 237-79     | 1    | O-Ring                |
| 16       | 98-9940    | 10   | Screw                 |
| 17       | 93-7498    | 1    | Plug-Plastic          |
| 18       | 237-123    | 1    | O-Ring                |
| 19       | 100-2097   | 1    | Dipstick-Oil          |

| Ref. No. | Part No. | Qty. | Description              |
|----------|----------|------|--------------------------|
| 20       | 61-2790  | 1    | Filter-Screen            |
| 21       | 98-9927  | 1    | Gasket-Cover             |
| 22       | 98-2709  | 1    | Cover                    |
| 23       | 54-0110  | 1    | Filter-Oil, Transmission |
| 24       | 98-9906  | 1    | Fitting-Thread, Straight |
| 24:1     | 237-81   | 2    | O-Ring                   |
| 25       | 92-5821  | 1    | Filter Head ASM          |
| 26       | 354-127  | 1    | Elbow-45°                |
| 26:1     | 237-81   | 1    | O-Ring                   |
| 27       | 100-9988 | 1    | Hose-HYD                 |
| 28       | 2412-129 | 2    | Clamp-Hose               |



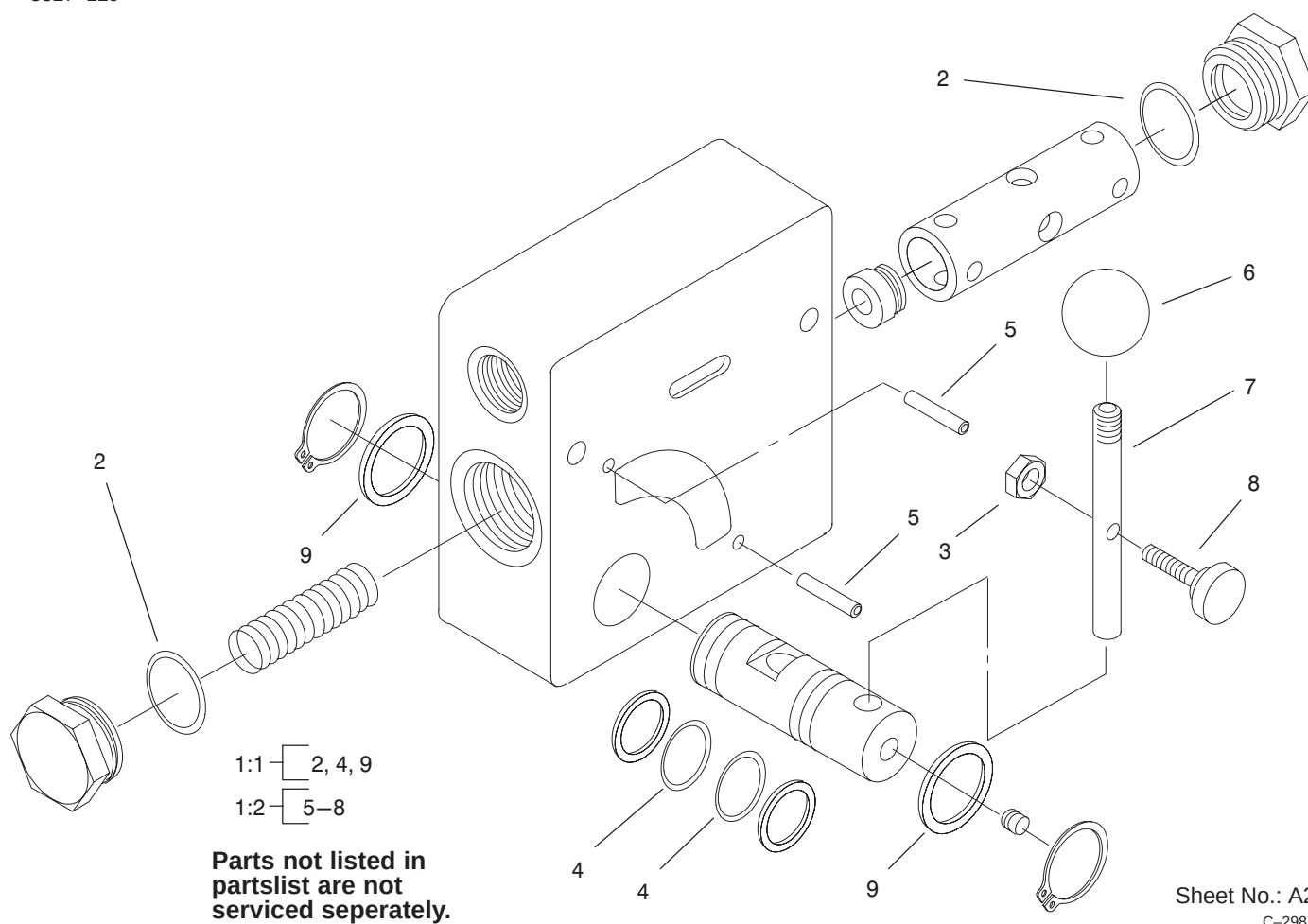


Sheet No.: 7

## Hydraulic Assembly (Continued)

| Ref. No. | Part No.  | Qty. | Description              | Ref. No. | Part No. | Qty. | Description              |
|----------|-----------|------|--------------------------|----------|----------|------|--------------------------|
| 1        | 98-4744   | 1    | Hose ASM                 | 17       | 98-9090  | 1    | Grip-Control             |
| 2        | 98-4735   | 1    | Valve-Check, HYD         | 18       | 32128-44 | 2    | Nut                      |
| 2:1      | 237-30    | 1    | O-Ring                   | 19       | 98-4724  | 1    | Tube-HYD                 |
| 2:2      | 237-79    | 1    | O-Ring                   | 20       | 340-4    | 4    | Adapter                  |
| 3        | 98-9917   | 1    | Tube-HYD                 | 20:1     | 237-30   | 1    | O-Ring                   |
| 4        | 98-4799   | 2    | Tube-Spacer              | 20:2     | 237-79   | 1    | O-Ring                   |
| 5        | 94-6031   | 1    | Fitting-HYD              | 21       | 322-13   | 4    | Screw-HH                 |
| 5:1      | 237-30    | 1    | O-Ring                   | 22       | 98-4747  | 2    | Hose-HYD, Pressure, High |
| 6        | 340-98    | 2    | Fitting-HYD, 90°         | 23       | 98-4695  | 4    | Tube-Spacer              |
| 6:1      | 237-79    | 1    | O-Ring                   | 24       | 321-14   | 2    | Screw-HH                 |
| 6:2      | 237-30    | 1    | O-Ring                   | 25       | 3256-23  | 4    | Washer-Flat              |
| 7        | 104-4221  | 1    | Kit-Valve, HYD           | 26       | 3296-29  | 4    | Nut-Lock, NI             |
| 8        | 95-3209   | 1    | Fitting-Thread, Straight | 27       | 3256-22  | 2    | Washer-Flat              |
| 8:1      | 237-79    | 2    | O-Ring                   | 28       | 3296-42  | 2    | Nut-Lock, NI             |
| 9        | 99-3072   | 1    | Valve-Selector           | 29       | 100-8818 | 2    | Sleeve-Guard, Hose       |
| 10       | 42-9580   | 2    | Nut-Hex                  | 30       | 2412-129 | 4    | Clamp-Hose               |
| 11       | 98-4729   | 1    | Lever-Valve              | 31       | 340-105  | 2    | Fitting-90°              |
| 12       | 98-9079   | 1    | Adapter-Tee, Adjustable  | 31:1     | 237-80   | 1    | O-Ring                   |
| 12:1     | 237-30    | 1    | O-Ring                   | 31:2     | 237-30   | 1    | O-Ring                   |
| 12:2     | 237-79    | 2    | O-Ring                   | 32       | 354-73   | 4    | Fitting                  |
| 13       | 99-3077   | 1    | Valve-HYD, Auxiliary     | 32:1     | 237-81   | 1    | O-Ring                   |
| 14       | 99-1376   | 1    | Mount - Control          | 33       | 98-2713  | 2    | Hose-Suction, HYD        |
| 15       | 33104-030 | 1    | Screw-HHF                | *34      | 99-5349  | 2    | Spring-Compression       |
| 16       | 3234-5    | 2    | Screw                    |          |          |      |                          |

\* Not illustrated

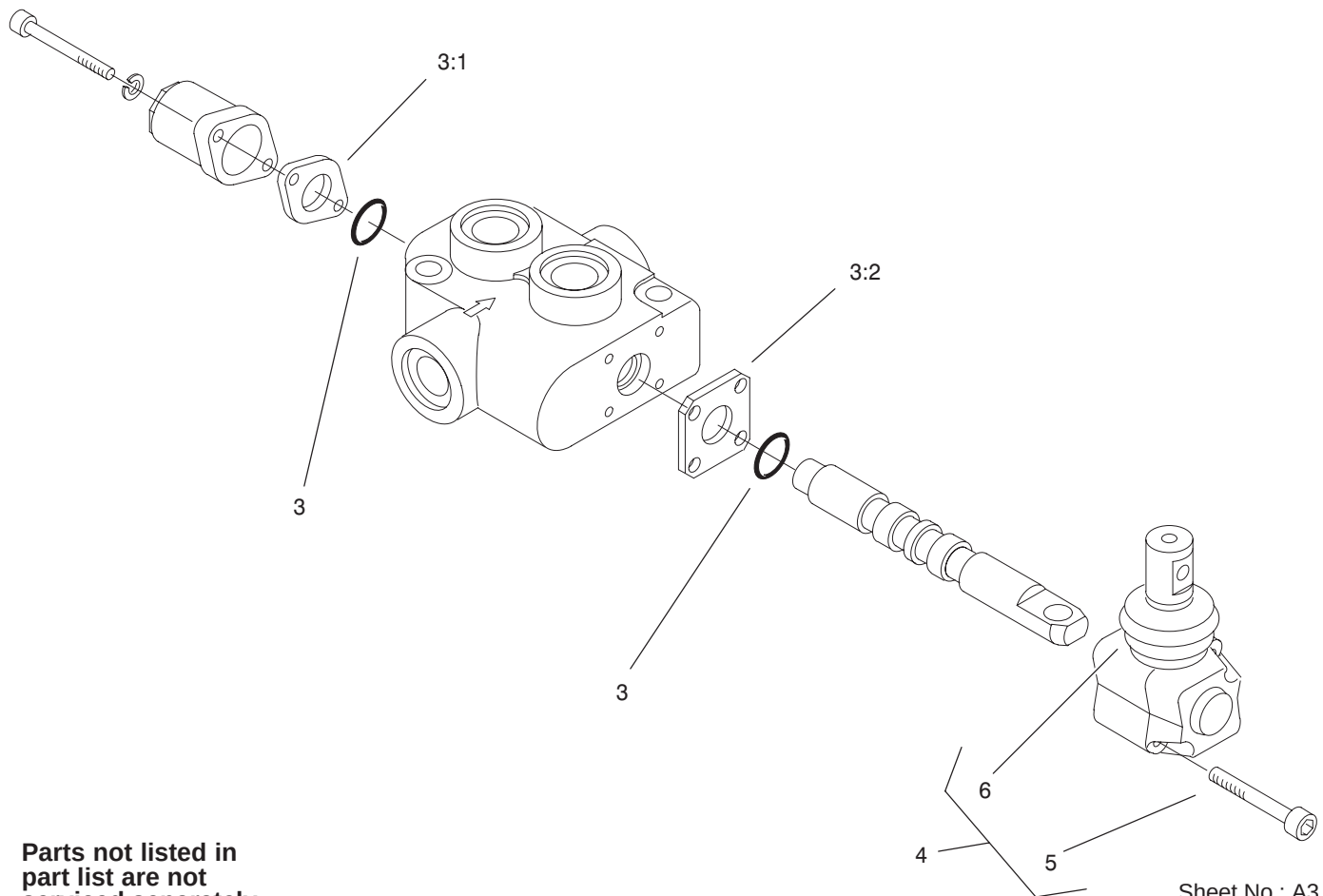


# Hydraulic Valve Assembly No. 104-4221

| Ref. No. | Part No. | Qty. | Description           |
|----------|----------|------|-----------------------|
| ☆1       |          | 1    | Valve—Flow, Hydraulic |
| 1:1      | 104—4231 | 1    | Kit—Seal, Valve       |
| 1:2      | 98—9098  | 1    | Kit—Hardware, Handle  |
| 3        | 3296—27  | 1    | Nut—Lock NI           |

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

☆ Not serviced separately



**Parts not listed in  
part list are not  
serviced separately**

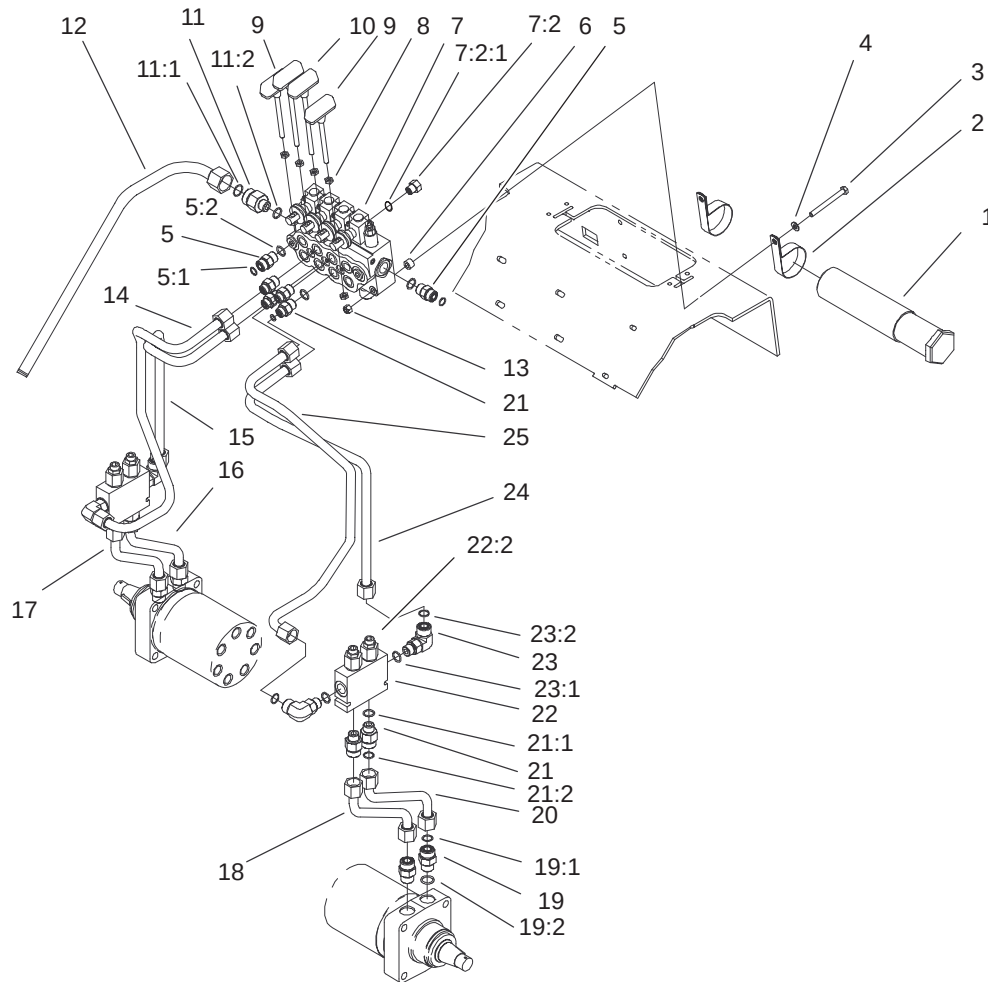
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# Hydraulic Valve Assembly No. 99-3072

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
| 3        | 99-4391  | 1    | Kit-Seal    |
| 3:1      | 99-3074  | 1    | Gasket      |
| 3:2      | 99-3075  | 3    | Gasket      |

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



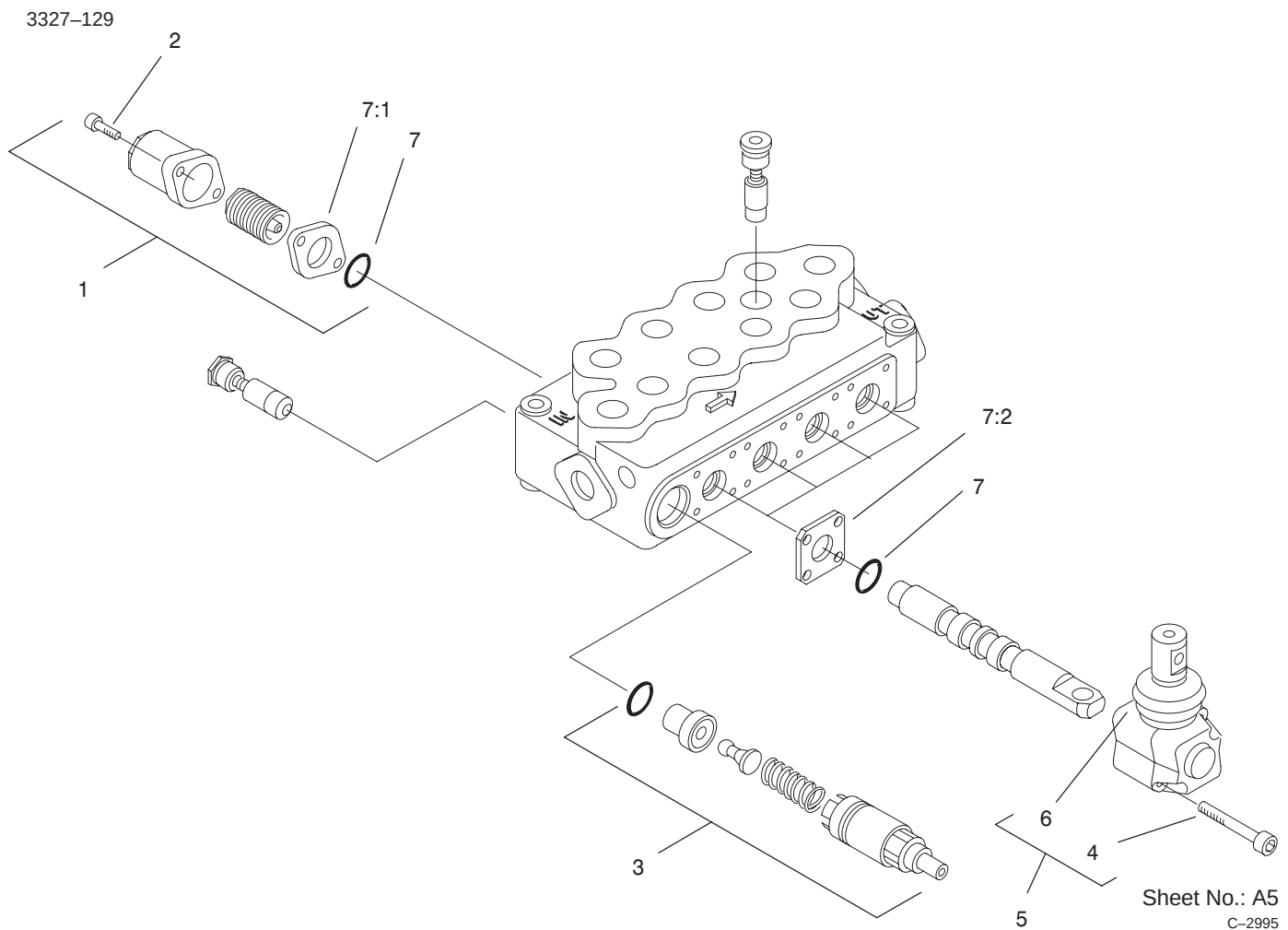


Sheet No.: 8

## Hydraulic Traction Assembly

| Ref. No. | Part No. | Qty. | Description              | Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|--------------------------|----------|----------|------|----------------------|
| 1        | 74-0720  | 1    | Tube-Manual              | 19:1     | 237-65   | 1    | O-Ring               |
| 2        | 2412-133 | 2    | R-Clamp                  | 19:2     | 237-80   | 1    | O-Ring               |
| 3        | 322-20   | 3    | Screw-HH                 | 20       | 98-4742  | 1    | Tube-HYD             |
| 4        | 3256-23  | 3    | Washer-Flat              | 21       | 340-155  | 8    | Fitting-HYD          |
| 5        | 340-4    | 2    | Adapter                  | 21:1     | 237-79   | 1    | O-Ring               |
| 5:1      | 237-30   | 1    | O-Ring                   | 21:2     | 237-151  | 1    | O-Ring               |
| 5:2      | 237-79   | 1    | O-Ring                   | 22       | 98-9050  | 2    | Valve-Counterbalance |
| 6        | 98-4695  | 3    | Tube-Spacer              | 22:1     | 105-4099 | 1    | Seal Kit - Valve     |
| 7        | 105-8406 | 1    | Valve ASM - 4 Spool      | 22:2     | 99-3271  | 2    | Valve-Cartridge      |
| 7:2      | 353-512  | 1    | Plug                     | *22:2:1  | 98-2712  | 1    | Kit-Seal, Valve      |
| 7:2:1    | 237-78   | 1    | O-Ring                   | 23       | 340-153  | 4    | Fitting-HYD          |
| 8        | 42-9580  | 8    | Nut-Hex                  | 23:1     | 237-79   | 1    | O-Ring               |
| 9        | 98-4671  | 2    | Cylinder Handle ASM      | 23:2     | 237-151  | 1    | O-Ring               |
| 10       | 98-4670  | 2    | Drive Handle ASM         | 24       | 98-4738  | 1    | Tube-HYD             |
| 11       | 98-9921  | 1    | Fitting-Thread, Straight | 25       | 98-4739  | 1    | Tube-HYD             |
| 11:1     | 237-145  | 1    | O-Ring                   |          |          |      |                      |
| 11:2     | 237-79   | 1    | O-Ring                   |          |          |      |                      |
| 12       | 99-3021  | 1    | Tube-HYD                 |          |          |      |                      |
| 13       | 3296-29  | 3    | Nut-Lock, NI             |          |          |      |                      |
| 14       | 98-4737  | 1    | Tube-HYD                 |          |          |      |                      |
| 15       | 98-4736  | 1    | Tube-HYD                 |          |          |      |                      |
| 16       | 98-4740  | 1    | Tube-HYD                 |          |          |      |                      |
| 17       | 98-4741  | 1    | Tube-HYD                 |          |          |      |                      |
| 18       | 98-4743  | 1    | Tube-HYD                 |          |          |      |                      |
| 19       | 340-7    | 4    | Adapter                  |          |          |      |                      |

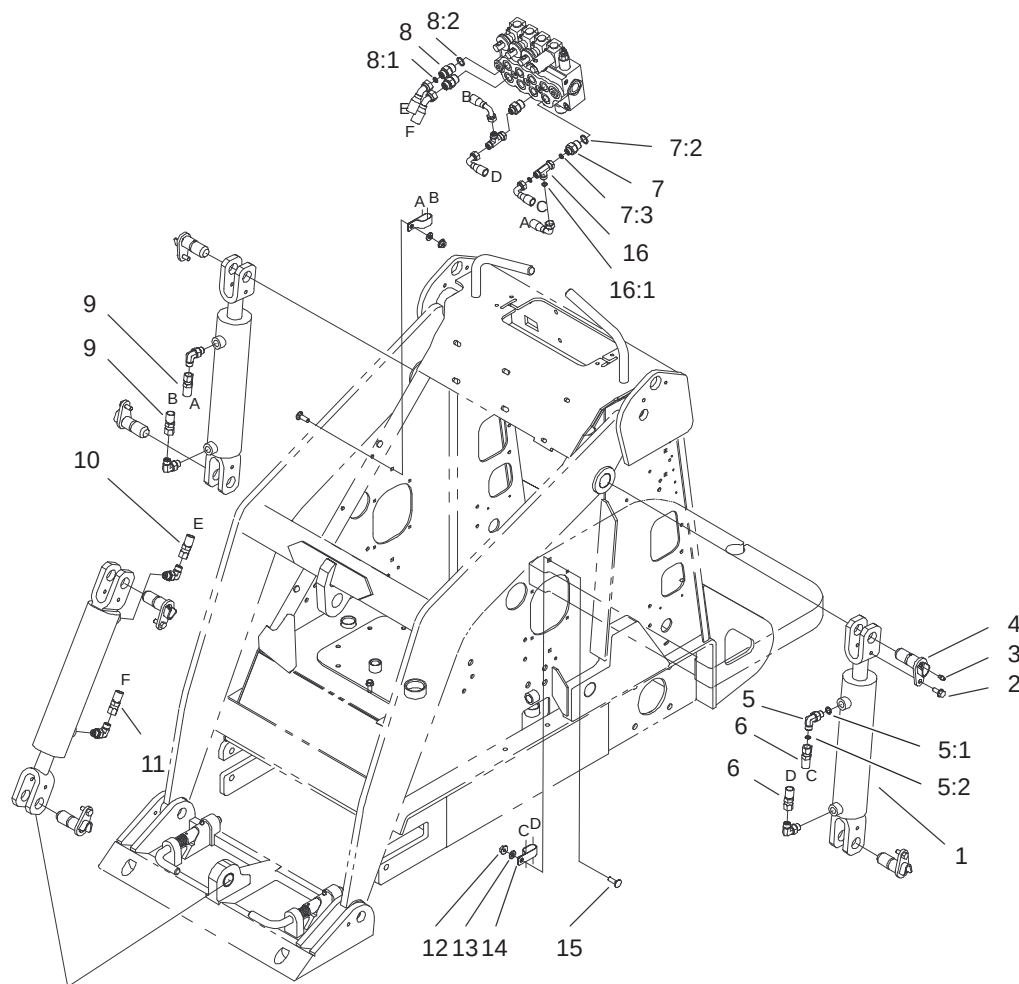
\* Not illustrated



## Hydraulic Valve Kit Assembly No. 105-8406

| Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|
| 1        | 100-8800 | 4    | Standard Spring ASM    |
| 1        | 100-8801 | 4    | Kit-Spring, High Force |
| 2        | 100-8802 | 8    | Screw-Cap, End         |
| 3        | 100-8805 | 1    | Valve-Relief           |
| 4        | 100-8806 | 8    | Screw-Operator         |
| 5        | 100-8807 | 4    | Operator ASM           |
| 6        | 100-8829 | 4    | Boot-Operator          |
| 7        | 99-4390  | 1    | Kit-Seal, Sd5          |
| 7:1      | 99-3074  | 4    | Gasket                 |
| 7:2      | 99-3075  | 8    | Gasket                 |

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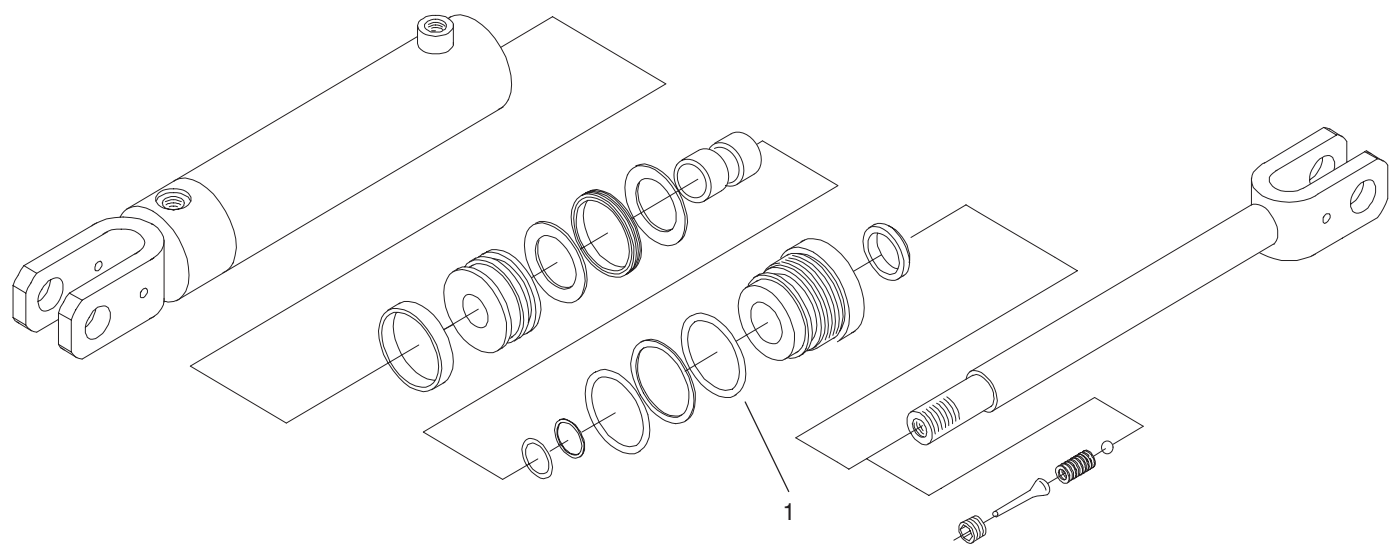


Sheet No.: 9

# Hydraulic Cylinder Assembly

| Ref. No. | Part No. | Qty. | Description             |
|----------|----------|------|-------------------------|
| 1        | 100-4163 | 3    | Kit-Cylinder, Hydraulic |
| 2        | 99-5105  | 6    | Bolt-Shoulder           |
| 3        | 302-5    | 6    | Fitting-Grease          |
| 4        | 99-1414  | 6    | Pin-Pivot               |
| 5        | 340-82   | 6    | Adapter                 |
| 5:1      | 237-42   | 1    | O-Ring                  |
| 5:2      | 237-21   | 1    | O-Ring                  |
| 6        | 98-4748  | 2    | Hose-Pressure, Low      |
| 7        | 340-133  | 2    | Adapter                 |
| 7:2      | 237-79   | 1    | O-Ring                  |
| 7:3      | 237-21   | 1    | O-Ring                  |
| 8        | 340-3    | 2    | Adapter                 |
| 8:1      | 237-22   | 1    | O-Ring                  |
| 8:2      | 237-79   | 1    | O-Ring                  |
| 9        | 98-4725  | 2    | Hose-HYD                |
| 10       | 98-4727  | 1    | Hose-HYD                |
| 11       | 98-4726  | 1    | Hose-HYD                |
| 12       | 3296-29  | 2    | Nut-Lock, NI            |
| 13       | 3256-23  | 2    | Washer-Flat             |
| 14       | 2412-137 | 2    | Clamp-Tube              |
| 15       | 3230-2   | 2    | Screw-CARR              |
| 16       | 340-151  | 2    | Fitting                 |
| 16:1     | 237-75   | 3    | O-Ring                  |





Parts not listed in  
part list are not  
serviced separately

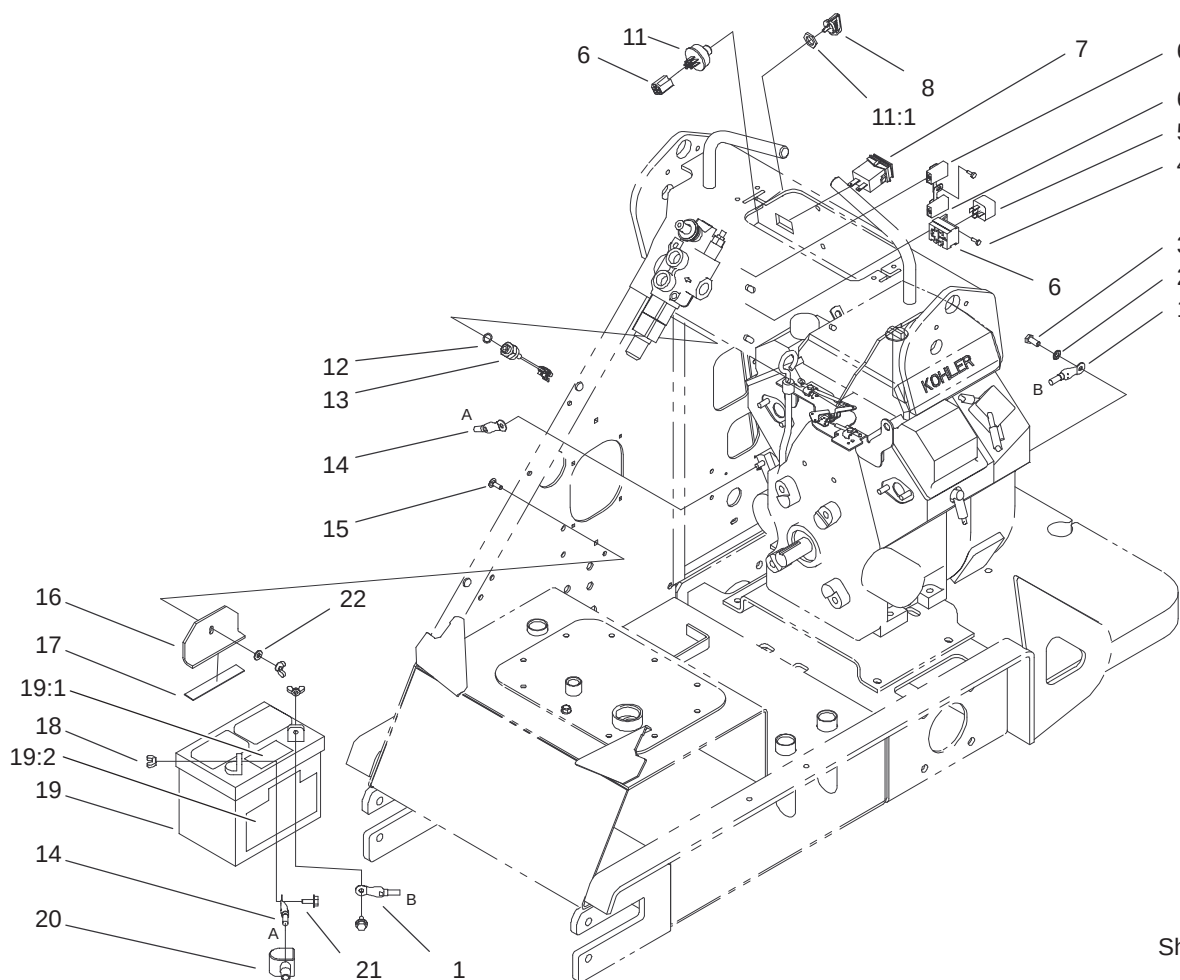
Sheet No.: A6  
C-2824

Kit-Hydraulic Cylinder Assembly No. 100-4163

| Ref. No. | Part No. | Qty. | Description                                           |
|----------|----------|------|-------------------------------------------------------|
| ☆1       | 99-3065  | 1    | Cylinder-Hydraulic<br>Kit-Seal, Hydraulic<br>Cylinder |
| 1        |          | 1    |                                                       |

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

☆ Not serviced separately



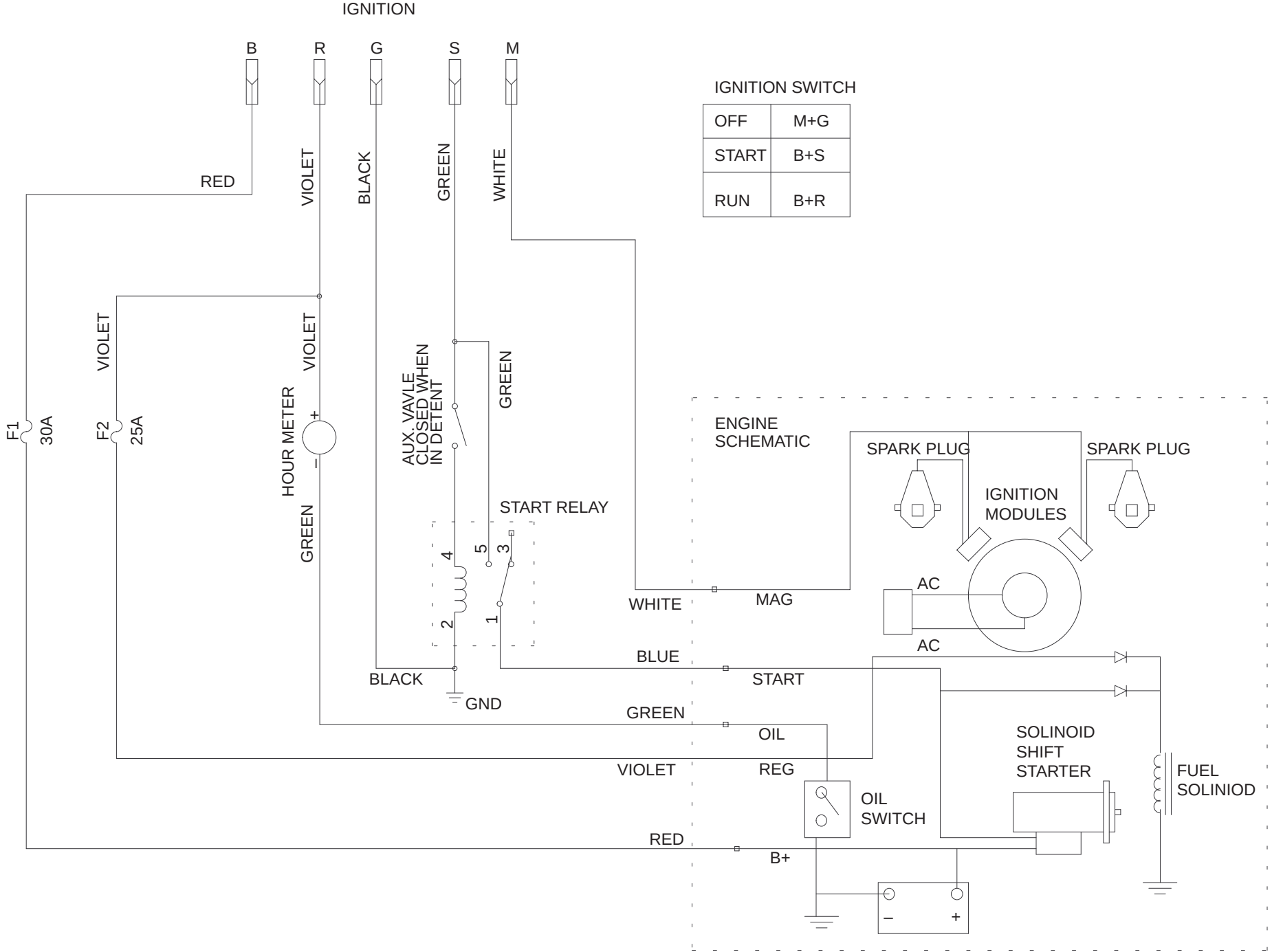
Sheet No.: 11

# Electrical Assembly

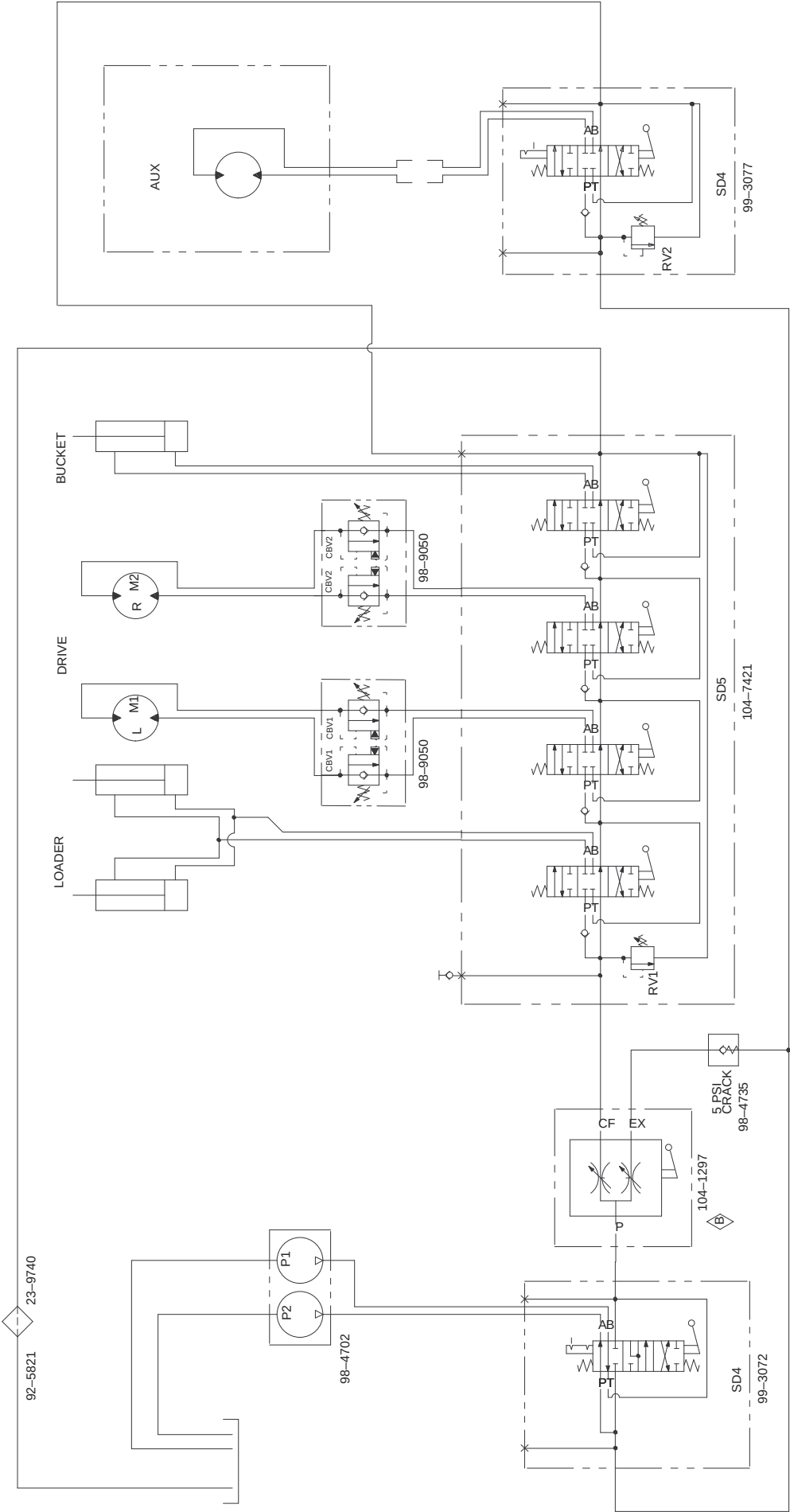
| Ref. No. | Part No.    | Qty. | Description              |
|----------|-------------|------|--------------------------|
| 1        | 111074      | 1    | Cable—Black              |
| 2        | 3255—8      | 1    | Washer—Lock/Ext          |
| 3        | 33114—020   | 1    | Screw—HH                 |
| 4        | 32144—87    | 2    | Screw—Forming,<br>Thread |
| 5        | 98—7249     | 1    | Relay                    |
| 6        | 98—4650     | 1    | Harness—Electrical       |
| 7        | 94—4208     | 1    | Hourmeter                |
| 8        | 63—8360     | 2    | Key—Ignition             |
| 11       | 116338      | 1    | Key Switch ASM           |
| 11:1     | 101884      | 1    | Nut                      |
| 11:2     | 9201604     | 1    | Washer—Lock, Internal    |
| 12       | 237—42      | 1    | O—Ring                   |
| 13       | 72—4310     | 1    | Switch                   |
| 14       | 92—6989     | 1    | Wire                     |
| 15       | 3229—2      | 1    | Screw—CARR               |
| 16       | 105—8401—03 | 1    | Clamp—Battery (Black)    |
| 17       | 94—9566     | 1    | Pad—Footrest             |
| 18       | 32103—22    | 3    | Nut—Wing                 |
| 19       | 104—2492    | 1    | Battery                  |
| 19:1     | 104—4163    | 1    | Decal—Battery            |
| 19:2     | 104—5091    | 1    | Decal—Battery            |
| 20       | 77—0981     | 1    | Boot—Terminal            |
| 21       | 3234—4      | 2    | Screw—HHF                |
| 22       | 3256—22     | 1    | Washer—Flat              |

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

# Electrical Schematic

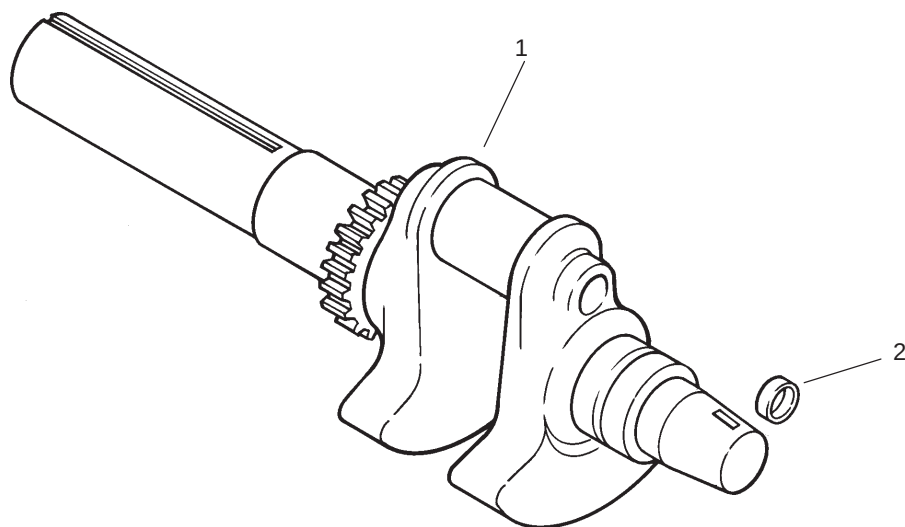


Hydraulic Schematic



| DISPLACEMENT AND PRESSURE CHART |              |           |          |           |
|---------------------------------|--------------|-----------|----------|-----------|
| COMPONENT                       | DISPLACEMENT | PRESSURE  |          | FLOWRATE* |
| COMPONENT                       | CU IN/REV    | CU CM/REV | PSI      |           |
| P1                              | 0.55         | CU IN     | 9 CC     |           |
| P2                              | 0.24         | CU IN     | 4 CC     |           |
| M1                              | 29.1         | CU IN     | 476 CC   |           |
| M2                              | 29.1         | CU IN     | 476 CC   |           |
| RV1                             |              |           | 3000 PSI | 207 BARS  |
| RV2                             |              |           | 3000 PSI | 207 BARS  |
| CBV1                            |              |           | 1000 PSI | 69 BARS   |
| CBV2                            |              |           | 1000 PSI | 69 BARS   |

\* FLOWRATE CALCULATED AT 3600 RPM AND 98% EFFICIENCY.

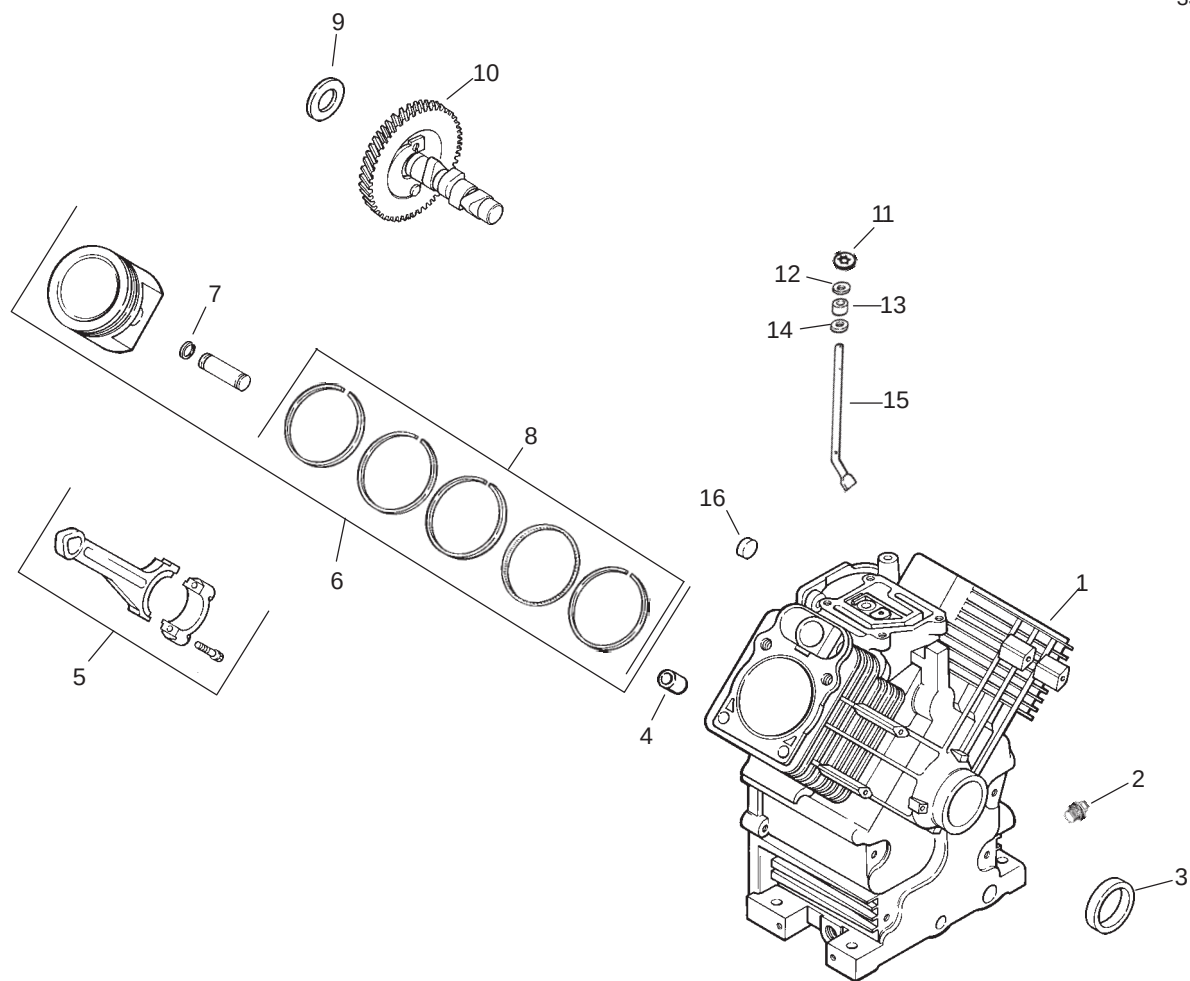


## Group 1 – Crankshaft Assembly Kohler CH20S PS-64667

| Ref. No. | Part No.    | Qty. | Description                         |
|----------|-------------|------|-------------------------------------|
| 1        | 24 014 90—S | 1    | Crankshaft assembly<br>(Includes 2) |
| 2        | 52 139 09—S | 1    | Plug, cup                           |

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

## Obtain Parts from Kohler

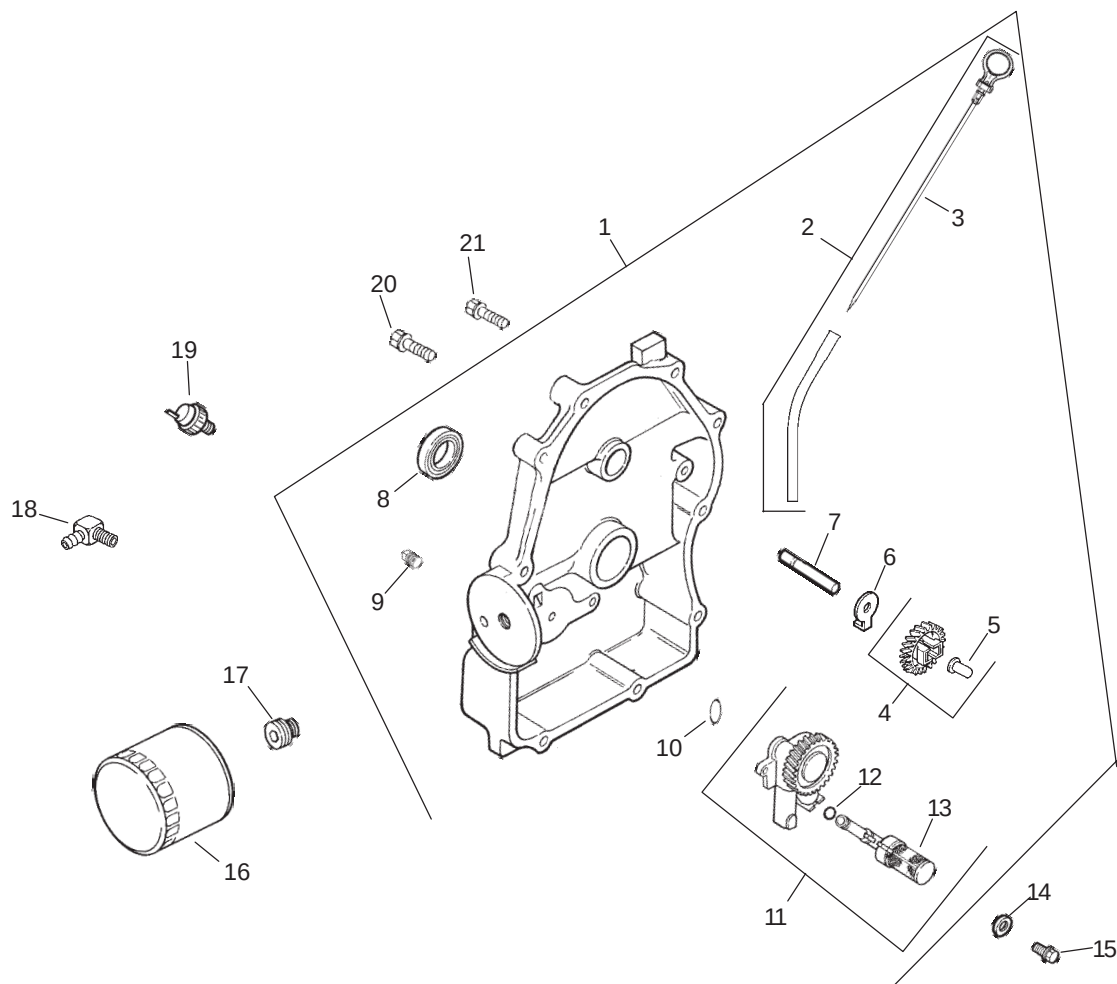


## Group 2 – Crankcase Assembly Kohler CH20S PS-64667

| Ref. No. | Part No.    | Qty. | Description                                 |
|----------|-------------|------|---------------------------------------------|
| 1        |             | 1    | Crankcase<br>(USE: Miniblock<br>24 782 15)  |
| 2        | 52 139 02-S | 2    | Plug, hex. hd.<br>3/8 N.P.T.F.              |
| 3        | 24 032 01-S | 1    | Seal, oil front                             |
| 4        | 24 380 13-S | 6    | Pin, dowel 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 18-S | 2    | Piston w/Ring Set (.25)                     |
|          | 24 874 19-S | 2    | Piston w/Ring Set (.50)                     |
|          | 24 874 14-S | 2    | Piston w/Ring Set (.08)                     |
| 7        | 24 018 01-S | 4    | Retainer, piston pin                        |
| 8        | 24 108 11-S | 2    | Ring Set (Std.)                             |
|          | 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                              |
|          | 12 422 13-S | A.R. | Shim, camshaft                              |
|          | 12 422 07-S | A.R. | Shim, camshaft                              |
|          | 12 422 08-S | A.R. | Shim, camshaft                              |
|          | 12 422 10-S | 1    | Shim, camshaft                              |
|          | 12 422 11-S | A.R. | Shim, camshaft                              |

| Ref. No. | Part No.    | Qty. | Description                   |
|----------|-------------|------|-------------------------------|
|          | 12 422 12-S | A.R. | Shim, camshaft                |
| 10       | 24 012 10-S | 1    | Camshaft                      |
| 11       | 24 018 09-S | 1    | Ring, retainer                |
| 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 33-S | 1    | Shaft, governor cross         |
| 16       | 52 139 09-S | 1    | Plug, cup                     |

Obtain Parts from Kohler

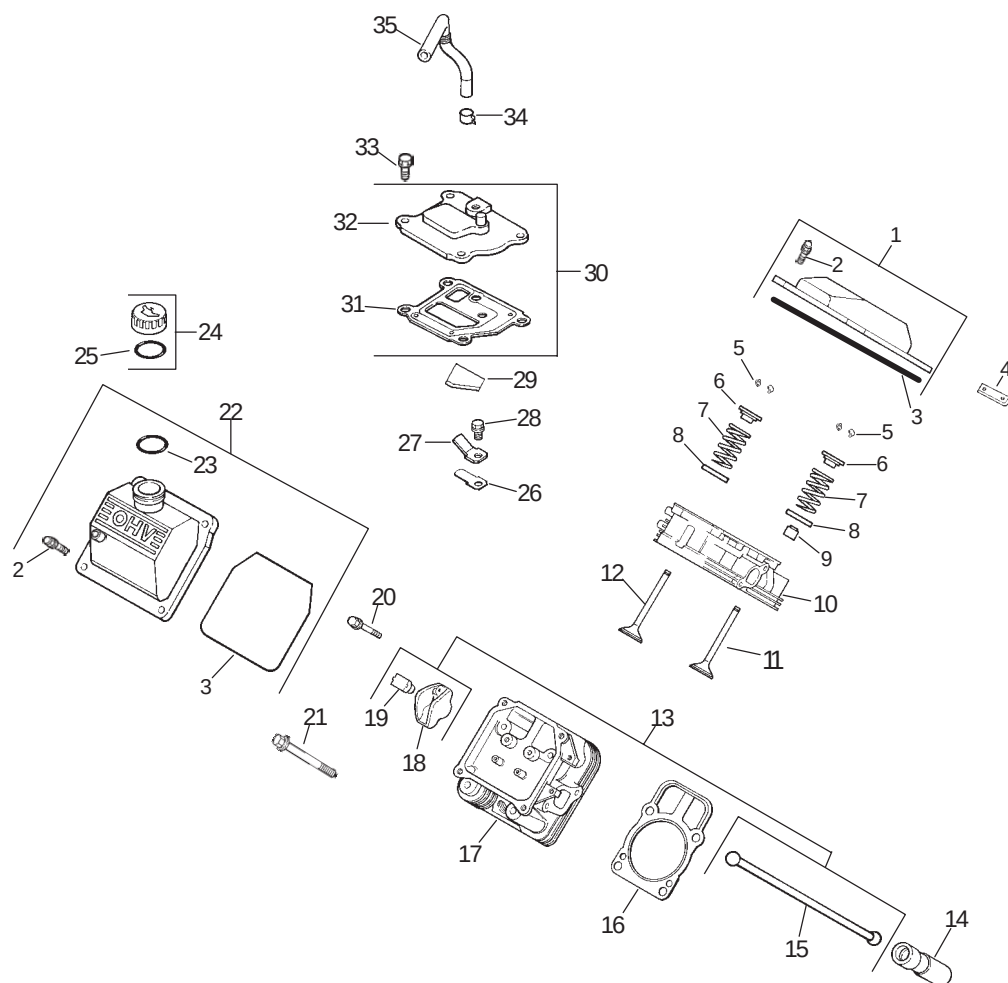


### Group 3 – Oil Pan/Lubrication Assembly Kohler CH20S PS-64667

| Ref. No. | Part No.     | Qty. | Description                           |
|----------|--------------|------|---------------------------------------|
| 1        | 24 009 82-S  | 1    | Kit, closure plate (Includes 2-13)    |
| 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        | 25 139 60-S  | 2    | Plug, allen hd. 1/8 pipe              |
| 10       | 24 153 08-S  | 1    | O-Ring                                |
| 11       | 24 393 10-S  | 1    | Oil pump assembly (Includes 12, 13)   |
| 12       | 24 153 01-S  | 1    | O-Ring, oil pick-up                   |
| 13       | 24 381 04-S  | 1    | Pick-up, oil                          |
| 14       | M-631005-S   | 2    | Washer, plain 6 mm                    |
| 15       | M-645025-S   | 2    | Screw, hex. flange M6x1.0x25          |
| 16       | 52 050 02-S  | 1    | Filter, oil                           |
| 17       | 24 136 01-S  | 1    | Nipple, oil filter                    |
| 18       | 25 155 02-S  | 1    | Connector                             |

| Ref. No. | Part No.    | Qty. | Description                   |
|----------|-------------|------|-------------------------------|
| 19       | 24 099 03-S | 1    | Switch, oil pressure          |
| 20       | 24 086 16-S | 9    | Screw, hex. flange M8x1.25x45 |
| 21       | 24 086 17-S | 1    | Screw, hex. flange M8x1.25x45 |

Obtain Parts from Kohler

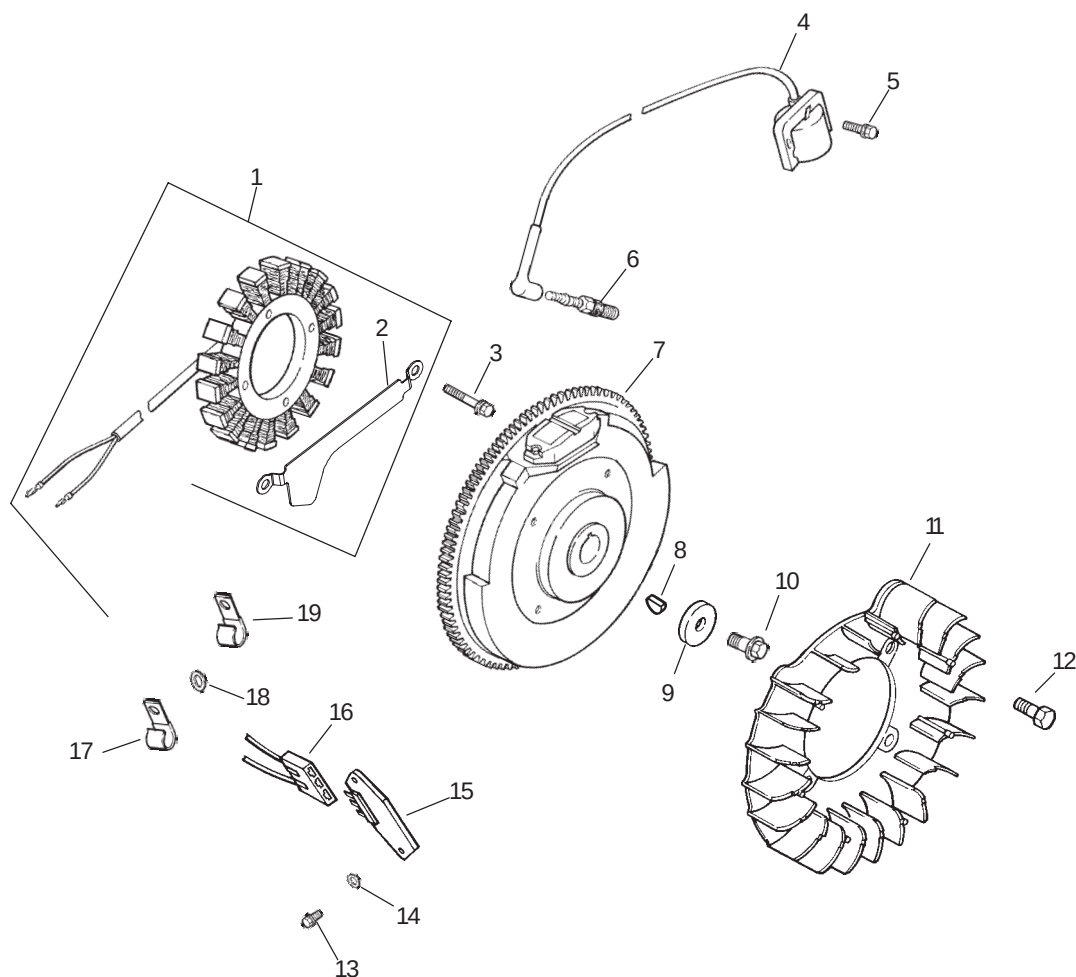


## Group 4 – Head/Valve/Breather Assembly Kohler CH20S PS-64667

| 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, 3) | 19       | 24 599 01-S | 4    | Pivot, rocker arm                                  |
| 2        | 24 086 32-S | 4    | Screw, shoulder                             | 20       | M-640034-S  | 4    | Screw, hex. flange<br>M6x1.0x34                    |
| 3        | 24 153 16-S | 1    | O-Ring                                      | 21       | 12 086 16-S | 8    | Screw, hex. flange<br>M10x1.5x91                   |
| 4        | 24 445 01-S | 1    | Strap, lifting                              | 22       | 24 755 75-S | 1    | Kit, valve cover – oil fill<br>(Includes 2, 3, 23) |
| 5        | 12 755 03-S | 4    | Kit, retainer                               | 23       | 24 153 09-S | 1    | O-Ring                                             |
| 6        | 12 173 01-S | 4    | Cap, valve spring                           | 24       | 24 755 46-S | 1    | Kit, oil fill cap<br>(Includes 25)                 |
| 7        | 24 089 02-S | 4    | Spring, valve                               | 25       | 12 153 03-S | 1    | O-Ring, oil fill cap                               |
| 8        | 235011-S    | 4    | Retainer, spring                            | 26       | 24 402 03-S | 1    | Reed, breather                                     |
| 9        | 66 032 05-S | 2    | Seal, valve stem                            | 27       | 12 018 01-S | 1    | Retainer, breather reed                            |
| 10       | 24 318 09-S | 1    | Head assembly,<br>#1 cylinder               | 28       | M-545010-S  | 1    | Screw, hex. flange<br>M5x0.8x10                    |
| 11       | 24 017 01-S | 2    | Valve, intake (Std.)                        | 29       | 24 050 01-S | 1    | Filter, breather                                   |
|          | 24 017 02-S | 2    | Valve, intake (.25)                         | 30       | 24 033 01-S | 1    | Kit, breather<br>(Includes 31, 32)                 |
| 12       | 24 016 01-S | 2    | Valve, exhaust (Std.)                       | 31       | 24 041 23-S | 1    | Gasket, breather                                   |
|          | 24 016 02-S | 2    | Valve, exhaust (.25)                        | 32       | 24 096 58-S | 1    | Cover, breather                                    |
| 13       | 24 755 66-S | 1    | Kit, valve train<br>(Includes 15, 18, 19)   | 33       | M-645020-S  | 4    | Screw, hex. flange<br>M6x1.0x20                    |
| 14       | 25 351 01-S | 4    | Lifter, valve                               | 34       | 25 237 14-S | 1    | Clamp, breather                                    |
| 15       | 24 411 05-S | 4    | Rod, push                                   | 35       | 24 326 26-S | 1    | Hose, breather                                     |
| 16       | 24 041 08-S | 2    | Gasket, cylinder head                       |          |             |      |                                                    |
| 17       | 24 318 10-S | 1    | Head assembly,<br>#2 cylinder               |          |             |      |                                                    |
| 18       | 25 186 01-S | 4    | Arm, rocker                                 |          |             |      |                                                    |

Obtain Parts from Kohler





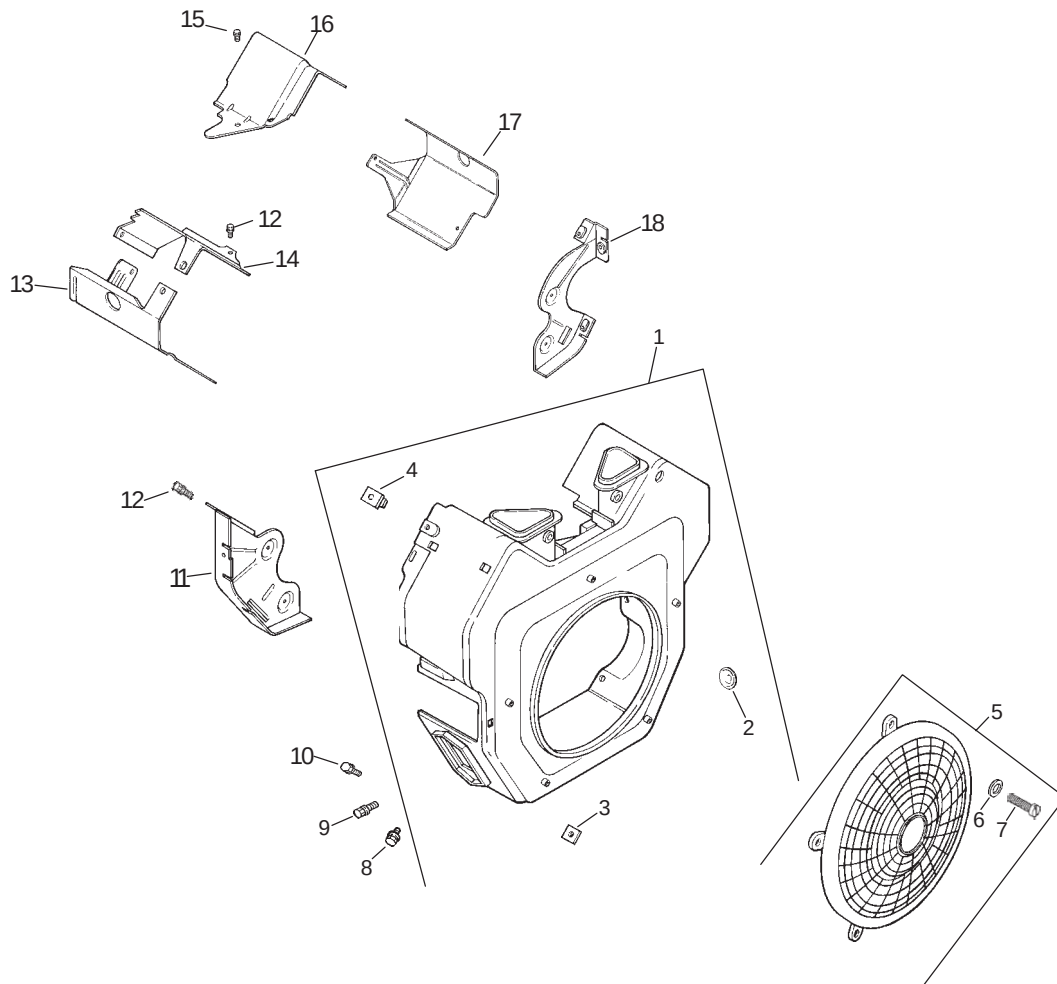
## Group 5 – Ignition/Electrical Assembly Kohler CH20S PS-64667

| 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 01-S | 2    | Module, ignition                |
| 5        | M-545020-S  | 4    | Screw, hex. flange M5x0.8x20    |
| 6        | 12 132 06-S | 2    | Spark Plug                      |
| 7        | 24 025 04-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 03-S | 1    | Fan                             |
| 12       | 25 086 47-S | 4    | Bolt, shoulder                  |
| 13       | 24 086 18-S | 2    | Screw, phillips hd. 11-16x7/8   |
| 14       | X-25-92-S   | 2    | Washer, plain 3/16              |
| 15       | 25 403 03-S | 1    | Rectifier-regulator 15 amp      |
| 16       | 236602-S    | 1    | Connector                       |
| 17       | 235173-S    | 1    | Clip, cable                     |
| 18       | X-25-63-S   | 1    | Washer, plain 1/4               |

| Ref. No. | Part No.    | Qty. | Description                                                                                               |
|----------|-------------|------|-----------------------------------------------------------------------------------------------------------|
| 19       | 48 154 02-S | 1    | Clip, cable (for B+ lead)                                                                                 |
| *        | 24 176 08-S | 1    | Harness, wiring                                                                                           |
| *        | 24 518 12-S | 1    | Lead, black (5" – 12 gauge – insulated grip barrel eyelet terminals)                                      |
| *        | 25 454 03-S | 2    | Tie                                                                                                       |
| *        | 25 086 91-S | 2    | Screw, sems hex. cap 10-16x1/2 (mounts 5 wire connector of wiring harness to barrel baffle above starter) |
| *        | X-22-11-S   | 1    | Washer, lock 1/4"                                                                                         |

\* Not Illustrated

**Obtain Parts from Kohler**

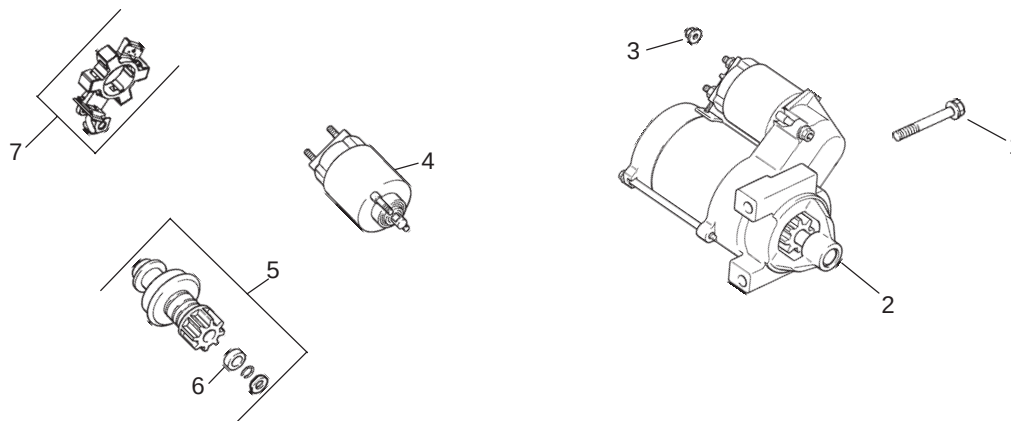


## Group 6 – Blower Housing Assembly Kohler CH20S PS-64667

| Ref. No. | Part No.    | Qty. | Description                                                                | Ref. No. | Part No.    | Qty. | Description                          |
|----------|-------------|------|----------------------------------------------------------------------------|----------|-------------|------|--------------------------------------|
| 1        | 24 027 39-S | 1    | Housing, blower ASM<br>(Includes 2-4, and<br>Insert 24 332 01-S<br>qty. 5) | 13       | 24 063 20-S | 1    | Baffle, cylinder barrel –<br>#2 side |
| 2        | 25 139 16-S | 1    | Plug, button 9/16                                                          | 14       | 24 063 17-S | 1    | Baffle, valley – #2 side             |
| 3        | 24 100 01-S | 2    | Nut, plastic                                                               | 15       | M-545010-S  | 2    | Screw, hex. flange<br>M5x0.8x10      |
| 4        | 24 100 02-S | 2    | Nut, plastic                                                               | 16       | 24 063 24-S | 1    | Baffle, valley – #1 side             |
| 5        | 24 755 81-S | 1    | Kit, fixed guard<br>(Includes 6, 7, and<br>Insert 24 332 01-S<br>qty. 5)   | 17       | 24 063 58-S | 1    | Baffle, cylinder barrel –<br>#1 side |
| 6        | 24 468 10-S | 5    | Washer, plain 1/4"                                                         | 18       | 24 146 20-S | 1    | Plate, backing –<br>#1 side          |
| 7        | 24 086 35-S | 5    | Screw, pan hd.<br>M5x0.8x10                                                | *        | 25 113 24-S | 1    | Decal, small round                   |
| 8        | M-551016-S  | 1    | Screw, hex. flange<br>M5x0.8x16                                            | *        | 24 113 95-S | 1    | Decal, HP                            |
| 9        | M-545016-S  | 3    | Screw, hex flange<br>M5x0.8x16                                             |          |             |      |                                      |
| 10       | M-545020-S  | 4    | Screw, hex flange<br>M5x0.8x20                                             |          |             |      |                                      |
| 11       | 24 146 16-S | 1    | Plate, backing –<br>#2 side                                                |          |             |      |                                      |
| 12       | M-645016-S  | 6    | Screw, hex. flange<br>M6x1.0x16                                            |          |             |      |                                      |

\* Not Illustrated

**Obtain Parts from Kohler**

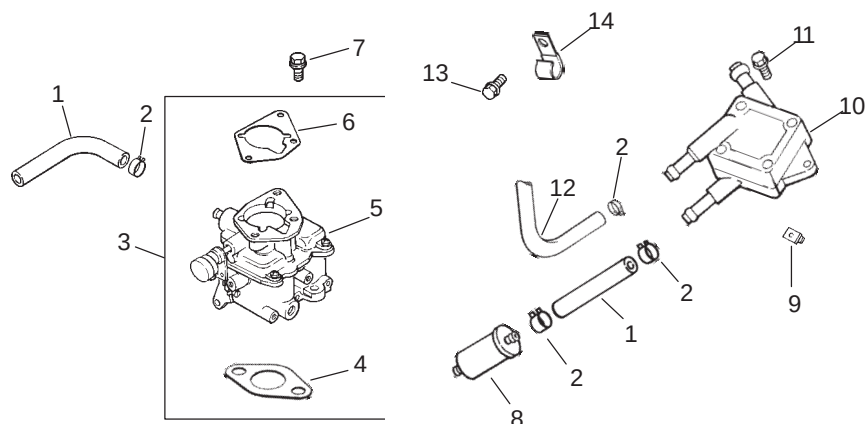


## Group 7 – Starter Assembly Kohler CH20S PS-64667

| 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>ASM (Includes 4-7) |
| 3        | M-841080-S  | 1    | Nut, hex. flange<br>M8x1.25                   |
| 4        | 25 435 04-S | 1    | Kit, solenoid                                 |
| 5        | 25 755 33-S | 1    | Kit, pinion drive<br>(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

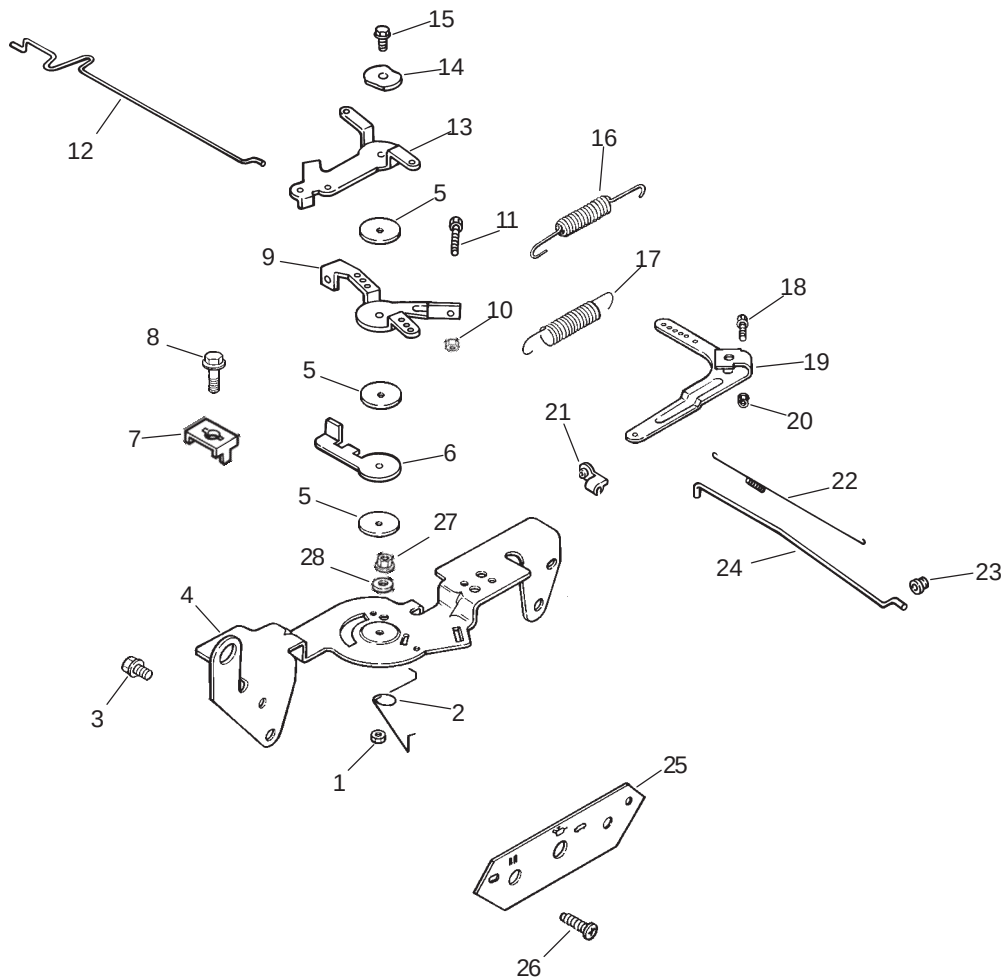


## Group 8 – Fuel System Assembly Kohler CH20S PS-64667

| Ref. No. | Part No.    | Qty. | Description                                                                                                                                                    | Ref. No. | Part No.    | Qty. | Description                     |
|----------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|------|---------------------------------|
| 1        | 25 353 32-S | 2    | Line, fuel 9-1/4"                                                                                                                                              | 13       | M-650012-S  | 1    | Screw, hex. flange<br>M6x1.0x10 |
| 2        | 25 237 14-S | 6    | Clamp, hose                                                                                                                                                    | 14       | 47 154 01-S | 1    | Clip, cable                     |
| 3        | 24 853 43-S | 1    | Kit, carburetor<br>w/gasket<br>(Includes 4-6)                                                                                                                  | *        | 24 757 01-S | 1    | Kit, solenoid                   |
| 4        | 24 041 17-S | 1    | Gasket, carburetor                                                                                                                                             | *        | 24 757 02-S | 1    | Kit, float                      |
| 5        | 24 053 43   | 1    | Carburetor assembly<br>(For information<br>only not available<br>separately)<br>(Service with:<br>24 757 01-S,<br>24 757 02-S,<br>24 757 03-S,<br>24 757 07-S) | *        | 24 757 03-S | 1    | Kit, carburetor repair          |
| 6        | 24 041 06-S | 1    | Gasket, air cleaner                                                                                                                                            | *        | 24 757 07-S | 1    | Kit, choke repair               |
| 7        | M-651030-S  | 2    | Screw, hex. flange<br>M6x1.0x30                                                                                                                                |          |             |      |                                 |
| 8        | 24 050 02-S | 1    | Filter, fuel                                                                                                                                                   |          |             |      |                                 |
| 9        | 24 100 01-S | 2    | Nut, plastic                                                                                                                                                   |          |             |      |                                 |
| 10       | 24 393 16-S | 1    | Pump, fuel – pulse                                                                                                                                             |          |             |      |                                 |
| 11       | 24 086 12-S | 2    | Screw, hex. cap 18 mm                                                                                                                                          |          |             |      |                                 |
| 12       | 24 353 02-S | 1    | Line, fuel 15-1/2"                                                                                                                                             |          |             |      |                                 |

\* Not Illustrated

**Obtain Parts from Kohler**

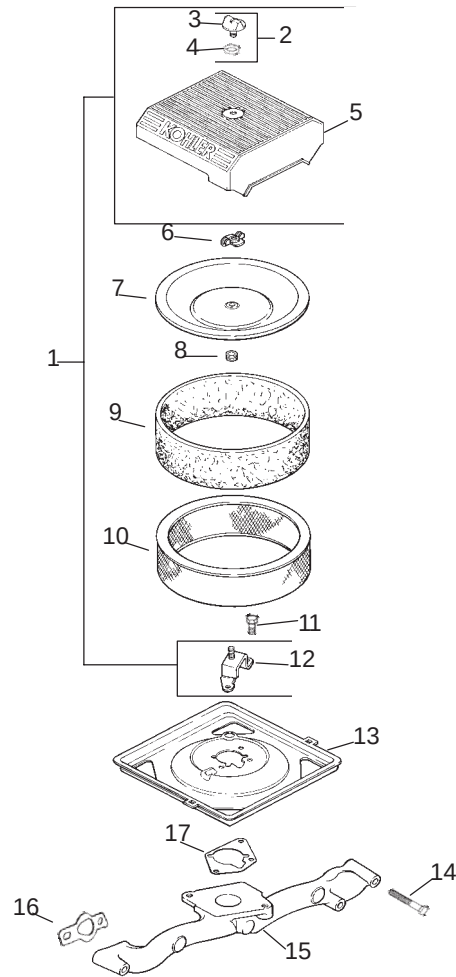


## Group 9 – Engine Control Assembly Kohler CH20S PS-64667

| 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        | 24 468 01-S | 3    | Washer, plain 1/4                |
| 6        | 24 090 07-S | 1    | Lever, throttle actuator         |
| 7        | 12 237 01-S | 2    | Clamp, cable                     |
| 8        | M-545016-S  | 3    | Screw hex. flange M5x0.8x16      |
| 9        | 24 090 03-S | 1    | Lever, throttle control          |
| 10       | M-446030-S  | 1    | Nut, hex. flange M4x0.7          |
| 11       | M-401030-S  | 1    | Screw, hex. flange M4x0.7x30     |
| 12       | 24 079 02-S | 1    | Linkage, choke                   |
| 13       | 24 090 05-S | 1    | Lever, choke                     |
| 14       | 41 468 03-S | 1    | Washer, spring 1/4               |
| 15       | M-545020-S  | 1    | Screw, hex. flange M5x0.8x20     |
| 16       | 24 089 51-S | 1    | Spring, throttle limiter         |
| 17       | 24 089 46-S | 1    | Spring, governor                 |
| 18       | 24 211 03-S | 1    | Bolt, rd. hd. sq. neck M6x1.0x25 |

| Ref. No. | Part No.    | Qty. | Description                    |
|----------|-------------|------|--------------------------------|
| 19       | 24 090 33-S | 1    | Lever, governor                |
| 20       | M-641060-S  | 1    | Nut, hex. flange M6x1.0        |
| 21       | 25 158 11-S | 1    | Bushing, linkage retaining     |
| 22       | 24 089 01-S | 1    | Spring, linkage                |
| 23       | 25 158 08-S | 1    | Bushing, throttle linkage      |
| 24       | 24 079 01-S | 1    | Linkage, throttle              |
| 25       | 24 378 01-S | 1    | Panel, control                 |
| 26       | 24 086 06-S | 1    | Screw, phillips hd. 11-16x3/4" |
| 27       | M-541050-S  | 1    | Nut, hex. flange M5x0.8        |
| 28       | X-20-1-S    | 1    | Washer, lock 1/4               |

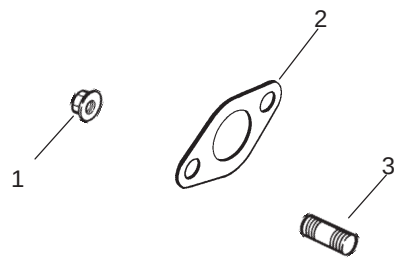
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## Group 10 – Air Intake/Filtration Assembly Kohler CH20S PS-64667

| Ref. No. | Part No.    | Qty. | Description                                  | Ref. No. | Part No. | Qty. | Description |
|----------|-------------|------|----------------------------------------------|----------|----------|------|-------------|
| 1        | 24 743 06-S | 1    | Kit, air cleaner cover<br>(Includes 2-5, 12) |          |          |      |             |
| 2        | 54 755 01-S | 1    | Kit, knob w/seal<br>(Includes 3, 4)          |          |          |      |             |
| 3        | 25 341 03-S | 1    | Knob, cover                                  |          |          |      |             |
| 4        | 24 153 20-S | 1    | O-Ring, cover knob                           |          |          |      |             |
| 5        | 24 096 26-S | 1    | Cover, air cleaner                           |          |          |      |             |
| 6        | 12 100 01-S | 1    | Wing Nut                                     |          |          |      |             |
| 7        | 24 096 01-S | 1    | Cover, inner air cleaner                     |          |          |      |             |
| 8        | 24 032 03-S | 1    | Seal                                         |          |          |      |             |
| 9        | 24 083 02-S | 1    | Precleaner                                   |          |          |      |             |
| 10       | 47 083 03-S | 1    | Element                                      |          |          |      |             |
| 11       | M-639016-S  | 3    | Screw, hex. flange<br>M6x1.0x16              |          |          |      |             |
| 12       | 24 126 21-S | 1    | Bracket, air cleaner                         |          |          |      |             |
| 13       | 24 094 03-S | 1    | Base, air cleaner                            |          |          |      |             |
| 14       | 25 086 84-S | 4    | Screw, hex. flange<br>M6x1.0x55              |          |          |      |             |
| 15       | 24 164 14-S | 1    | Manifold, intake                             |          |          |      |             |
| 16       | 24 041 01-S | 2    | Gasket, intake manifold                      |          |          |      |             |
| 17       | 24 041 06-S | 1    | Gasket, air cleaner<br>base                  |          |          |      |             |

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**Group 11 – Exhaust Assembly**  
**Kohler CH20S PS-64667**

| Ref. No. | Part No.     | Qty. | Description                 | Ref. No. | Part No. | Qty. | Description |
|----------|--------------|------|-----------------------------|----------|----------|------|-------------|
| 1        | M-841080-S   | 4    | Nut, hex. flange<br>M8x1.25 |          |          |      |             |
| 2        | 24 041 02-S  | 2    | Gasket, exhaust             |          |          |      |             |
| 3        | 25 072 04-S  | 4    | Stud, M8x1.25x33            |          |          |      |             |
| *        | 24 522 181   | 1    | Short Block                 |          |          |      |             |
| *        | 24 782 15    | 1    | Miniblock                   |          |          |      |             |
| *        | 24 755 107-S | 1    | Gasket Set                  |          |          |      |             |

\* Not Illustrated  
**Obtain Parts from Kohler**

## Maintenance Record

[illegible]



