Form No. 3326-950

# Groundsmaster® 120

**Model No. 30612—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.

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## Accessories

| Description | Model / Part No. |
|---|---|
| Flotation Kit | 57–3190 |
| 44” Deck Baffle Kit | 60–9030 |
| 52” Deck Baffle Kit | 68–7210 |
| 44” Leaf Mulcher Deck | 30752 |
| 52” Leaf Mulcher Deck | 30700 |
| Wheel Weight Kit | 56–6620 |
| 44” Snowthrower | 30761 |
| 44” Side Discharge Deck | 30544 |
| 44/52” Striping Kit | 99–4590 |

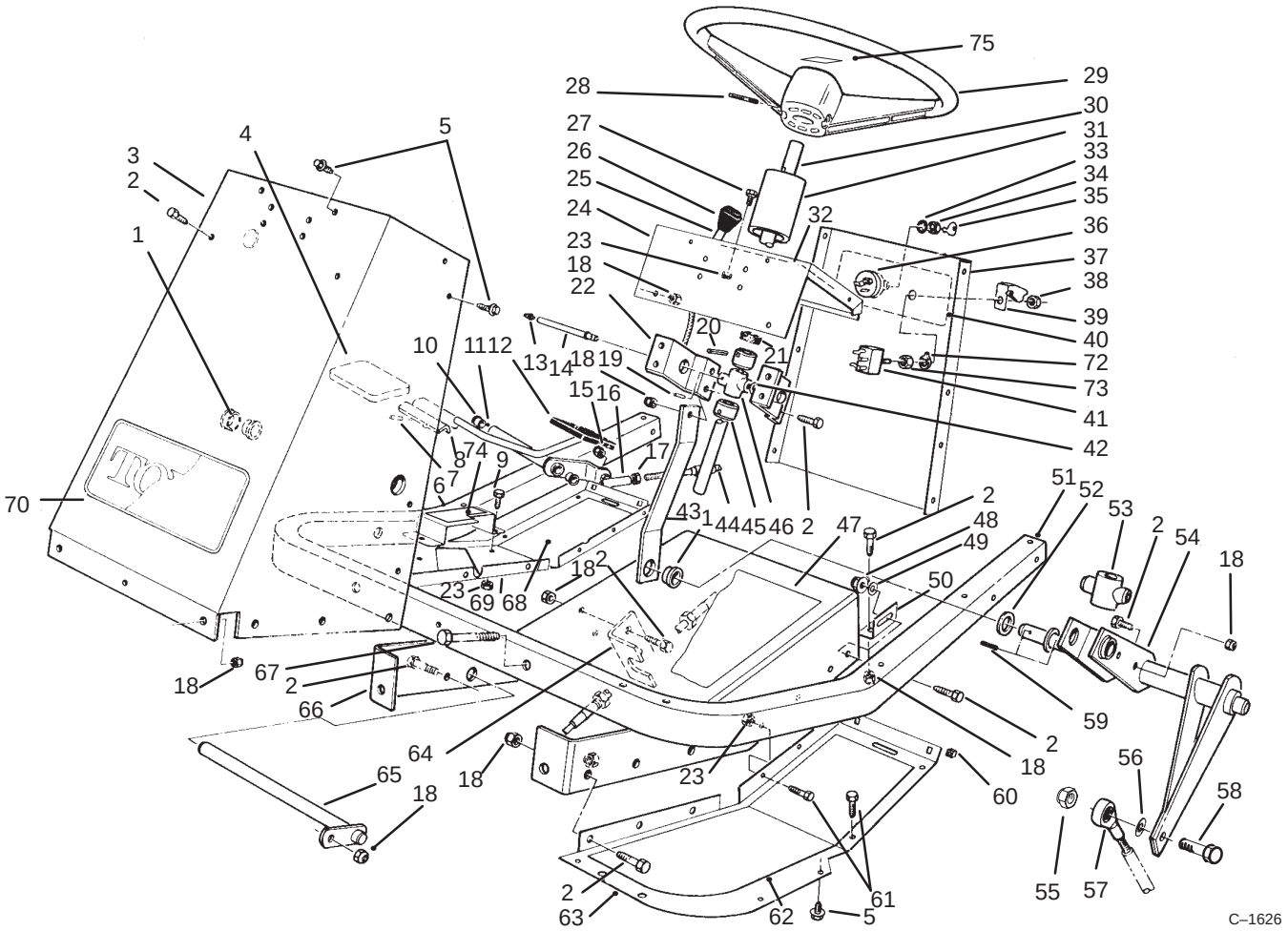
| Description | Model / Part No. |
|---|---|
| 52”Side Discharge Deck | 30753 |
| 44” Grass Collection System | 30751 |
| 52” Grass Collection System | 30576 |
| 44” Recycler Kit | 99–4582 |
| 52” Recycler Kit | 99–4586 |
| Armrest Kit | 92–1186 |
| Tire Chain Kit | 56–6630 |
| Rear Weight | 24–5790 |
| European Complacence Parts Kit | 93–9450 |

## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

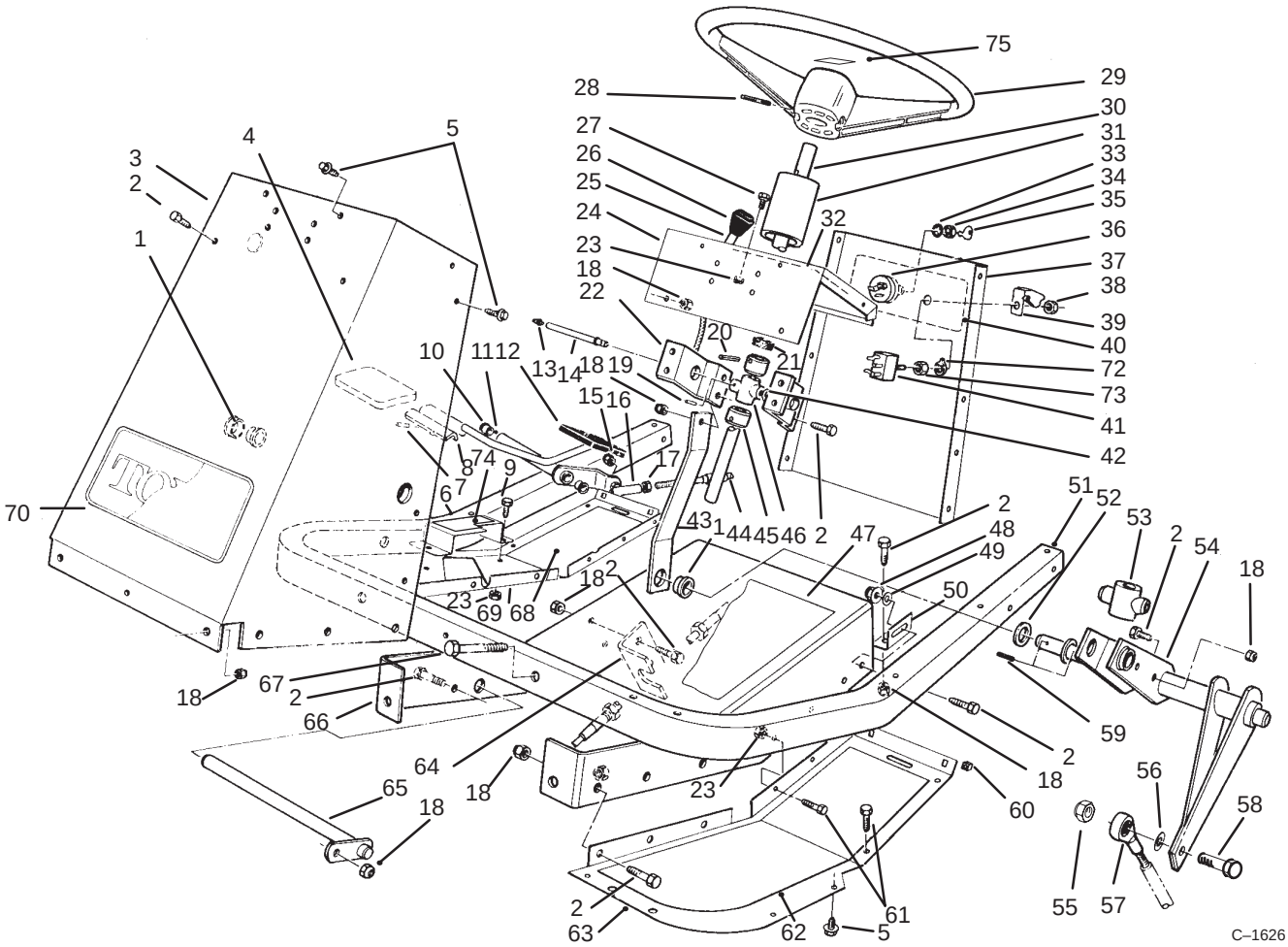
| Abbreviation | Meaning |
|---|---|
| HYD | hydraulic |
| INC | incorporated |
| LH | left hand |
| NI | nylon insert |
| PPH | Phillips pan head |
| PTH | Phillips truss head |
| PTO | power take off |
| RH | right hand |
| SFH | slotted fillister head |
| SHH | slotted hex head |
| SQH | square head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




# Frame and Steering Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 27–9080 | 3 | Bushing |
| 2 | 322–4 | 19 | Screw–HH |
| 3 | 54–1900 | 1 | Tower–Front |
| 4 | 49–6470 | 1 | Pad–Accelerator |
| 5 | 46–8560 | 21 | Screw–HH |
| 6 | 80–4930 | 1 | Footrest–Pedal |
| 7 | 32121–51 | 1 | Pin–Roll |
| 8 | 80–4920 | 1 | Pedal–Accelerator |
| 9 | 321–3 | 2 | Screw–HH |
| 10 | 256–156 | 2 | Bushing |
| 11 | 74–0110 | 1 | Pedal–Traction (Incl. Ref. #10) |
| 12 | 49–6430 | 1 | Pad–Reverse |
| 13 | 302–22 | 1 | Fitting–Grease |
| 14 | 59–1610 | 1 | Tube–Fitting, Grease |
| 15 | 3296–3 | 1 | Nut–Hex |
| 16 | 2411–34 | 1 | Ball Joint |
| 17 | 3220–1 | 1 | Nut–Jam |
| 18 | 3296–29 | 24 | Nut–Lock |
| 19 | 32121–20 | 1 | Pin–Roll |
| 20 | 32121–31 | 2 | Pin–Roll |
| 21 | 21–9260 | 1 | Cover–Dust |
| 22 | 54–1950 | 2 | Bracket–Support Bearing |
| 23 | 3296–42 | 16 | Nut–Lock |
| 24 | 54–1000 | 1 | Tower–Top |

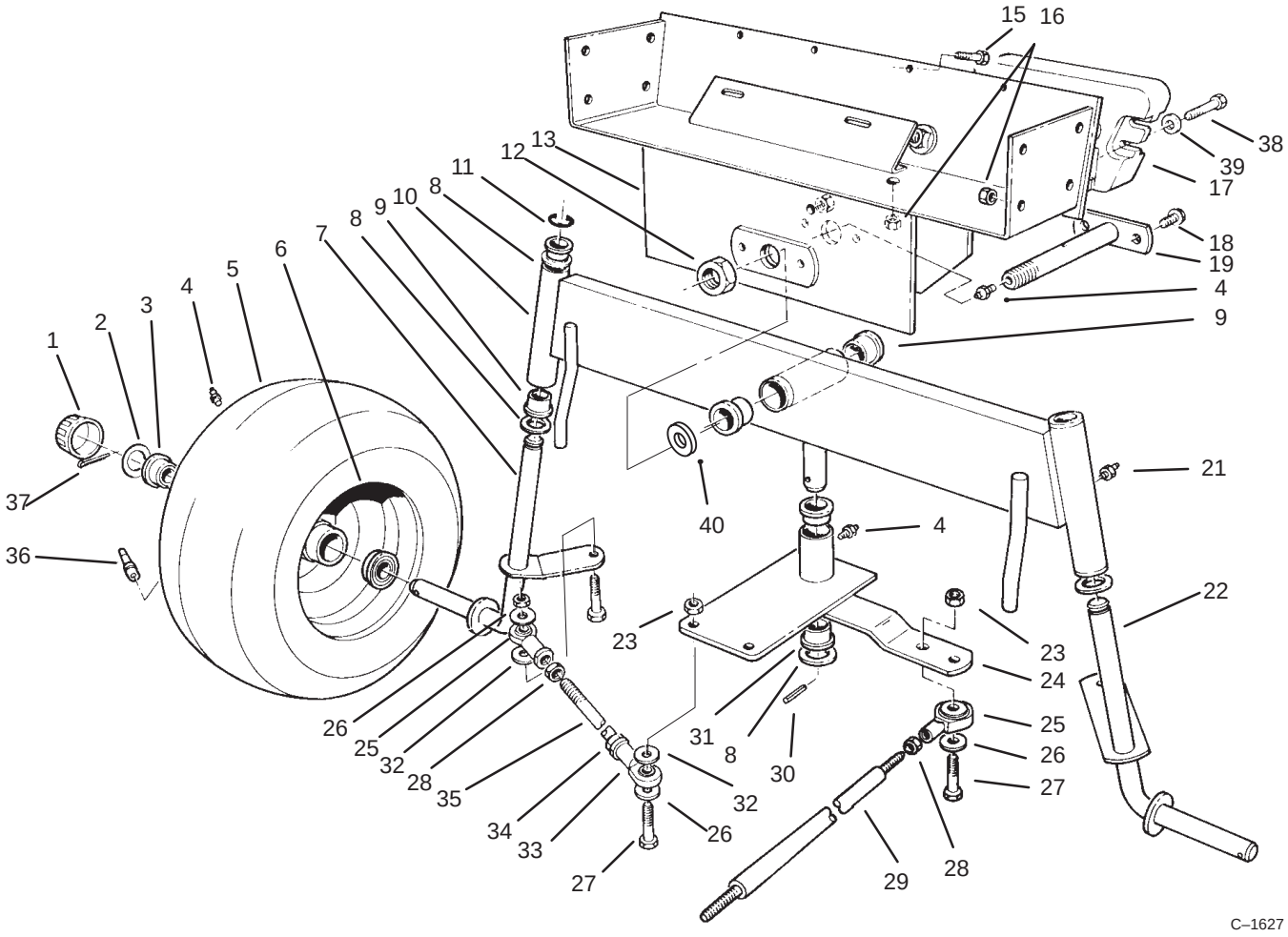
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 25 | 54–1451 | 2 | Control–Throttle, Choke |
| 26 | 66–0120 | 2 | Knob |
| 27 | 321–2 | 4 | Screw–HH |
| 28 | 32121–10 | 1 | Pin–Roll |
| 29 | 98–1467 | 1 | Wheel–Steering |
| 30 | 54–1420 | 1 | Shaft–Steering |
| 31 | 47–1980 | 1 | Cover–Shaft, Steering |
| 32 | 92–6278 | 1 | Decal–Throttle, Choke |
| 33 | 3254–5 | 1 | Washer–Lock |
| 34 | 218–461 | 1 | Nut–Lock |
| 35 | 63–8360 | 2 | Key |
| 36 | 88–9830 | 1 | Switch–Ignition (Incl. Ref. #33–35) |
| 37 | 92–6266 | 1 | Panel–Tower, Rear |
| 38 | 113179 | 1 | Nut |
| 39 | 113050 | 1 | Cover–Switch, PTO |
| 40 | 92–6277 | 1 | Decal–Switch |
| 41 | 116716 | 1 | Switch–Clutch & Brake (Incl. Ref. # 38, 72 & 73) |
| 42 | 3290–440 | 1 | Washer–Belleville |
| 43 | 54–1340 | 1 | Link–Steering |




# Frame and Steering Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 44 | 54–2640 | 1 | Cable–Control, Traction |
| 45 | 28–3940 | 2 | Collar–Shaft, Steering |
| 46 | 60–9050 | 1 | Bearing–Shaft, Steering |
| 47 | 54–0880 | 1 | Decal–Tunnel |
| 48 | 32128–20 | 1 | Nut–Lock, Flange |
| 49 | 3256–23 | 4 | Washer–Flat |
| 50 | 54–1440 | 2 | Bracket–Tunnel |
| 51 | 60–9140 | 1 | Frame–Footrest |
| 52 | 3–6498 | 2 | Washer–Thrust |
| 53 | 54–2630 | 1 | Follower–Shaft, Steering |
| 54 | 54–2040 | 1 | Lever–Follower |
| 55 | 3296–48 | 1 | Nut–Lock |
| 56 | 3256–4 | 1 | Washer–Flat |
| 57 | 251–304 | 1 | End–Rod |
| 58 | 324–6 | 1 | Screw–HH |
| 59 | 32121–77 | 2 | Roll–Pin |
| 60 | 32115–5 | 4 | Nut–Square |
| 61 | 321–4 | 9 | Screw–HH |
| 62 | 54–2260 | 1 | Pad–Footrest, LH |
| 63 | 54–1470 | 1 | Footrest–LH |
| 64 | 54–1770 | 1 | Bracket–Cable, Traction |
| 65 | 59–1550 | 1 | Pedal–Shaft |

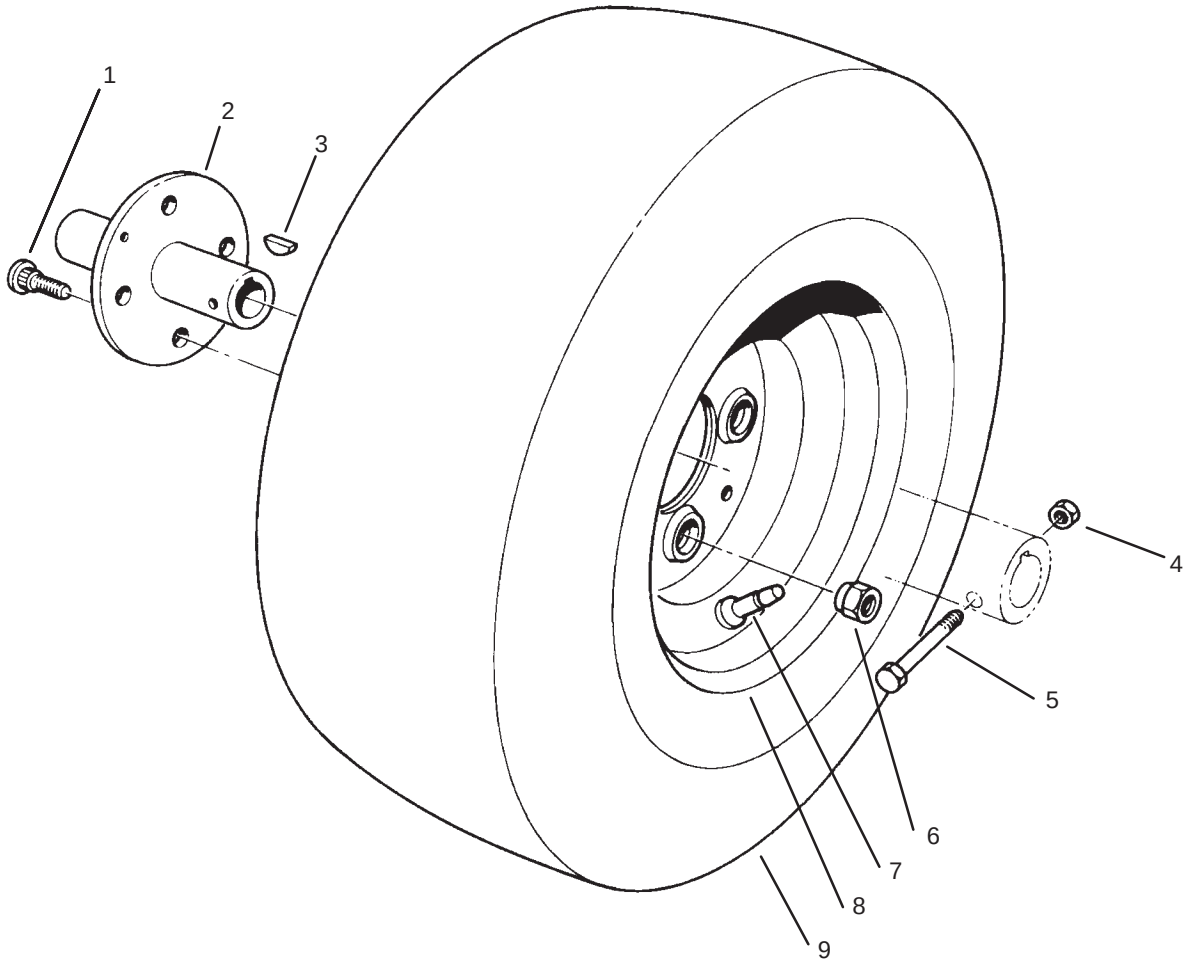
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 66 | 60–9150 | 1 | Tunnel |
| 67 | 322–10 | 2 | Screw–HH |
| 68 | 54–2270 | 1 | Pad–Footrest, RH |
| 69 | 80–4910 | 1 | Footrest–RH |
| 70 | 62–7400 | 1 | Decal–Toro |
| 72 | 102950 | 1 | Washer |
| 73 | 105805 | 1 | Nut |
| 74 | 82–4720 | 1 | Pad–Footrest |
| 75 | 98–1459 | 1 | Decal–Toro |




# Rear Axle Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 61–9780 | 2 | Cap–Hub |
| 2 | 28–2480 | 2 | Washer–Flat |
| 3 | 251–210 | 4 | Bearing–Ball |
| 4 | 302–5 | 4 | Fitting–Grease |
| 5 | 231–126 | 2 | Tire |
| 6 | 242–60 | 2 | Rim |
| 7 | 54–0570 | 1 | Spindle–RH |
| 8 | 3–6498 | 5 | Washer–Thrust |
| 9 | 46–6680 | 6 | Bushing |
| 10 | 92–6255 | 1 | Axle–Rear (Incl. Ref. #9 & 21) |
| 11 | 32151–48 | 2 | Ring–Retaining |
| 12 | 3296–41 | 1 | Nut–Hex |
| 13 | 54–0330 | 1 | Frame–Rear |
| 15 | 321–4 | 4 | Screw |
| 16 | 3296–29 | 8 | Nut |
| 17 | 24–5790 | 1 | Weight–Rear |
| 18 | 32144–15 | 2 | Screw |
| 19 | 59–1500 | 1 | Pivot–Axle |
| 21 | 302–49 | 3 | Fitting–Grease |
| 22 | 54–0560 | 1 | Spindle–LH |
| 23 | 3296–48 | 5 | Nut |
| 24 | 92–6257 | 1 | Plate–Pivot (Incl. Ref. #4 & 31) |
| 25 | 251–305 | 3 | End–Rod |
| 26 | 3256–4 | 6 | Washer–Flat |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 324–7 | 5 | Screw |
| 28 | 3220–4 | 3 | Nut–Jam |
| 29 | 54–1491 | 1 | Rod–Steering, Rear |
| 30 | 32121–51 | 1 | Pin–Roll |
| 31 | 27–9080 | 2 | Bushing |
| 32 | 62–4420 | 81 | Spacer |
| 33 | 251–304 | 2 | End–Rod |
| 34 | 3220–19 | 2 | Nut–Jam |
| 35 | 57–3100 | 2 | Tie Rod–Steering |
| 36 | 232–27 | 2 | Valve Stem w/Cap |
| 37 | 3272–12 | 2 | Pin–Cotter |
| 38 | 325–6 | 2 | Screw |
| 39 | 3253–7 | 2 | Washer |
| 40 | 3256–9 | 1 | Washer |

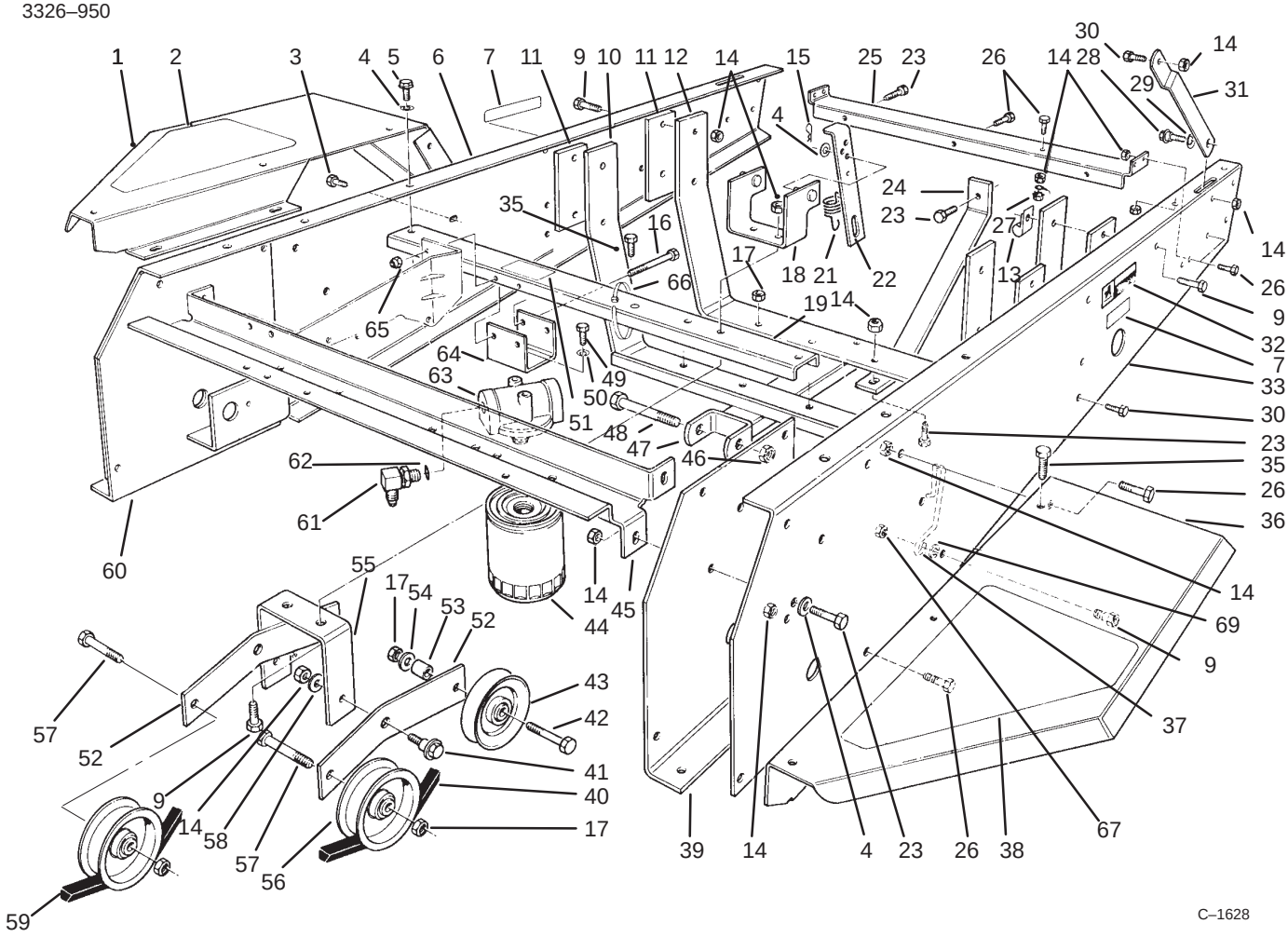



T–0071

# Front Wheel Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 242–71 | 8 | Bolt–Wheel |
| 2 | 54–0140 | 2 | Hub–Wheel |
| 3 | 3257–10 | 2 | Key–Woodruff |
| 4 | 3296–29 | 2 | Nut–Lock |
| 5 | 322–10 | 2 | Screw |
| 6 | 242–50 | 8 | Nut |
| 7 | 232–27 | 2 | Valve Stem w/Cap |
| 8 | 242–76 | 2 | Rim |
| 9 | 231–122 | 2 | Tire |

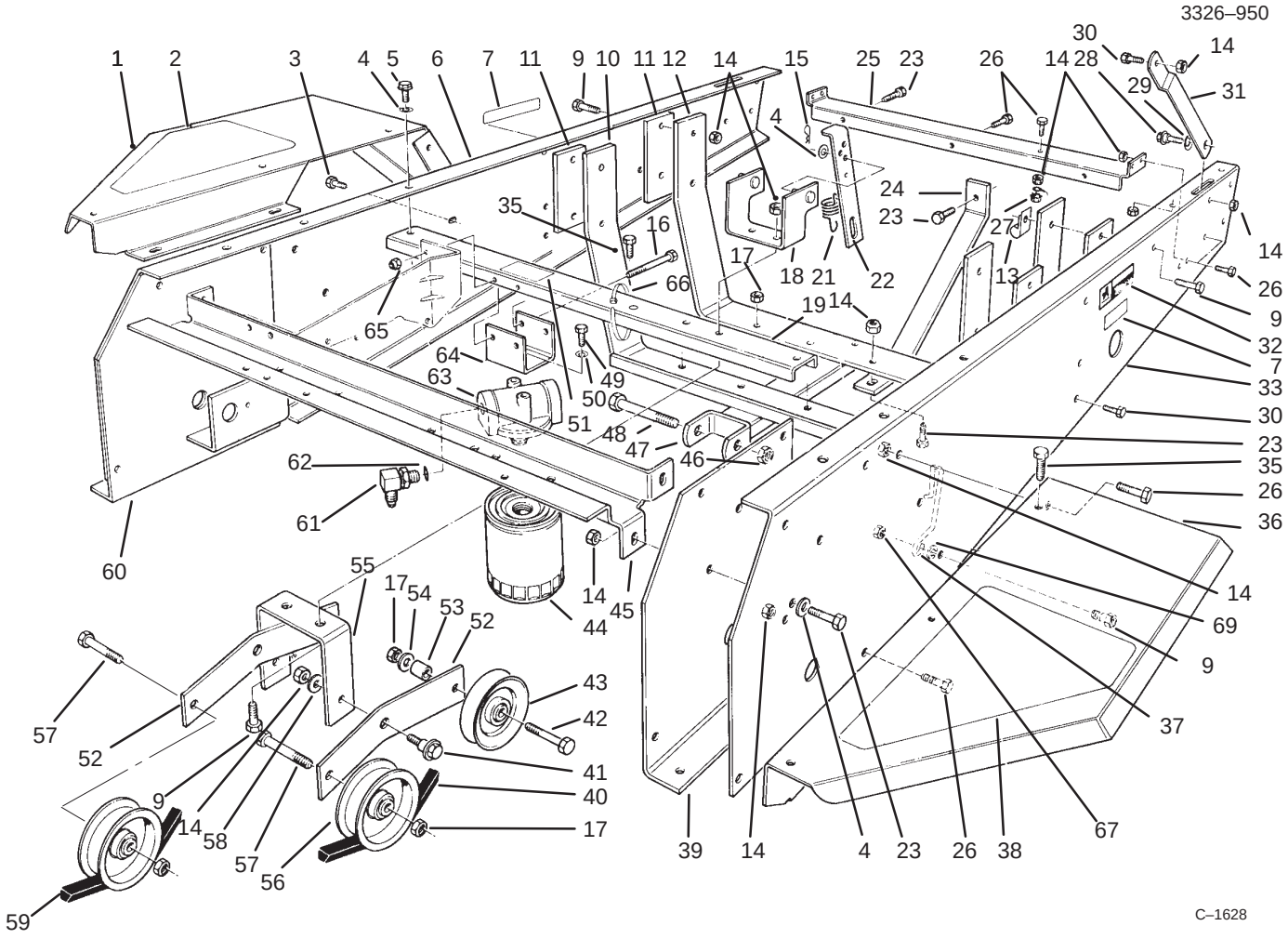
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|




# Frame and Jackshaft Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 54–1930 | 1 | Fender–RH |
| 2 | 92–6292 | 1 | Pad–Fender, RH |
| 3 | 3234–14 | 4 | Screw |
| 4 | 3256–23 | 8 | Washer–Flat |
| 5 | 32144–11 | 2 | Screw–HWHTF |
| 6 | 54–1910 | 1 | Channel–Side, RH |
| 7 | 77–3100 | 2 | Decal–Caution |
| 9 | 322–6 | 18 | Screw |
| 10 | 92–6250 | 1 | Mount–Engine |
| 11 | 54–1810 | 4 | Plate–Engine, Rear |
| 12 | 92–6251 | 1 | Mount–Engine |
| 13 | 2412–100 | 2 | J–Clamp |
| 14 | 3296–29 | 33 | Nut |
| 15 | 3290–250 | 2 | Pin–Cotter |
| 16 | 321–14 | 2 | Screw |
| 17 | 3296–44 | 4 | Nut |
| 18 | 54–2070 | 1 | Anchor–Spring |
| 19 | 98–0794 | 1 | Channel–Middle |
| 20 | 323–7 | 3 | Screw |
| 21 | 54–1410 | 2 | Spring–Idler |
| 22 | 54–1130 | 2 | Link–Idler Anchor |
| 24 | 92–6254 | 1 | Bar–Tension |
| 25 | 54–1830 | 1 | Support–Shield |
| 26 | 322–4 | 13 | Screw |
| 27 | 32149–1 | 1 | Nut–Lock |
| 28 | 27–0410 | 2 | Bolt–Shoulder |

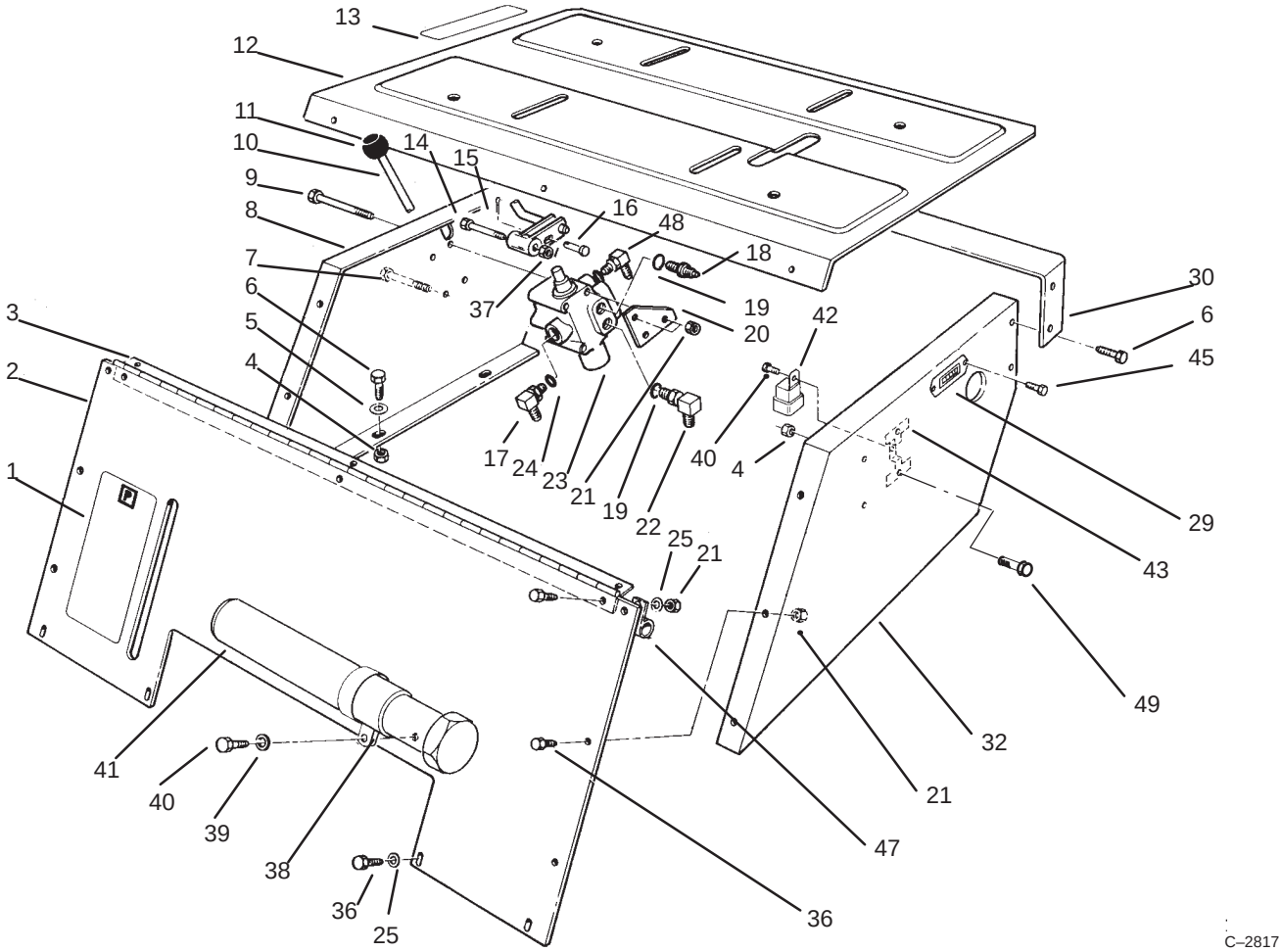
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 29 | 3290–211 | 2 | Washer–Spring |
| 30 | 322–3 | 2 | Screw |
| 31 | 54–1870 | 2 | Stop–Hood, Lower |
| 32 | 54–0910 | 1 | Decal–Warning |
| 33 | 54–1920 | 1 | Channel–Side, LH |
| 35 | 46–8560 | 7 | Screw |
| 36 | 54–1940 | 1 | Fender–LH |
| 37 | 55–4860 | 1 | Guide–Belt |
| 38 | 92–6293 | 1 | Pad–Fender, LH |
| 39 | 54–0460 | 1 | Stand–Axle, LH |
| 40 | 54–1380 | 1 | V–Belt |
| 41 | 19–1470 | 2 | Bolt–Shoulder |
| 42 | 323–11 | 2 | Screw |
| 43 | 62–4530 | 2 | Idler |
| 44 | 54–0110 | 1 | Filter–Oil, Transmission |
| 45 | 54–1010 | 1 | Channel–Front |
| 46 | 3296–61 | 1 | Nut |
| 47 | 92–6252 | 1 | Mount–Cylinder |
| 48 | 327–24 | 1 | Screw |
| 49 | 321–3 | 2 | Screw |
| 50 | 3253–3 | 2 | Washer–Lock |
| 51 | 53–4430 | 1 | Decal–Oil |
| 52 | 98–0795 | 2 | Lever–Idler |
| 53 | 37–7250 | 2 | Spacer |




# Frame and Jackshaft Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 54 | 3256–3 | 2 | Washer–Flat |
| 55 | 98–0792 | 1 | Bracket–Idler Mount |
| 56 | 62–4540 | 2 | Idler–Flat |
| 57 | 323–9 | 2 | Screw |
| 58 | 23–1120 | 2 | Washer–Flat |
| 59 | 54–1390 | 1 | V–Belt–Traction |
| 60 | 54–0450 | 1 | Stand–Axle, RH |
| 61 | 340–3 | 2 | Adapter |
| 63 | 86–9080 | 1 | Head–Filter |
| 64 | 54–1120 | 1 | Bracket–Head, Filter |
| 65 | 3296–42 | 2 | Nut–Lock |
| 66 | 3290–379 | 7 | Tie–Cable |
| 67 | 32128–20 | 1 | Nut–Lock, Flange |
| 69 | 3255–8 | 1 | Washer–Lock, Ext |

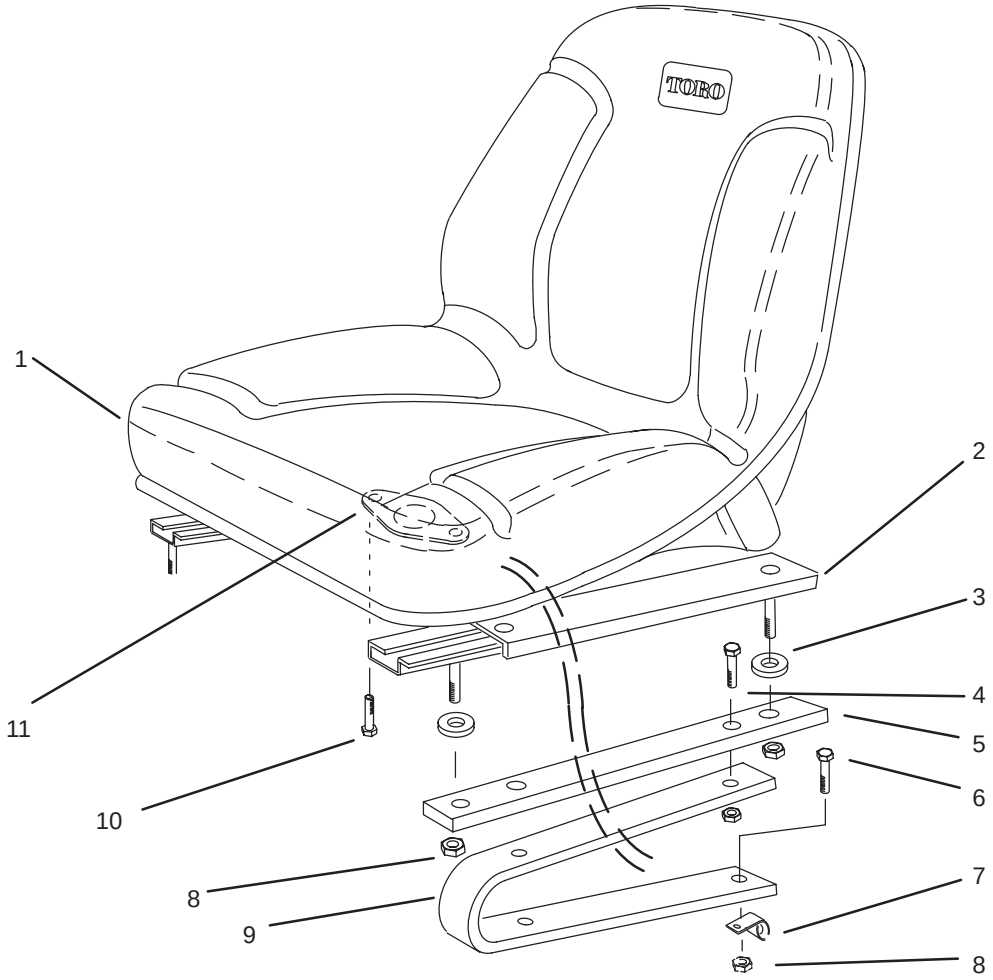
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|




# Seat Support Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 54–0920 | 2 | Decal–Brake, Parking |
| 2 | 80–3760 | 1 | Support–Seat, Front |
| 3 | 54–1310 | 1 | Hinge–Seat |
| 4 | 3296–29 | 12 | Nut |
| 5 | 3256–23 | 6 | Washer–Flat |
| 6 | 322–4 | 10 | Screw |
| 7 | 321–14 | 2 | Screw |
| 8 | 54–1220 | 1 | Support–Seat, RH |
| 9 | 321–23 | 2 | Screw |
| 10 | 82–4680 | 1 | Lever–Valve |
| 11 | 233–37 | 1 | Knob |
| 12 | 92–6281 | 1 | Plate–Seat |
| 13 | 54–0900 | 1 | Decal–Lift Control |
| 14 | 56–6590 | 1 | Screw |
| 15 | 3272–6 | 1 | Pin–Cotter |
| 16 | 283–17 | 1 | Pin–Clevis |
| 17 | 353–511 | 1 | Fitting |
| 18 | 353–545 | 1 | Fitting |
| 19 | 237–78 | 2 | O–Ring |
| 20 | 82–4700 | 1 | Bracket–Lever, Valve |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 21 | 3296–42 | 19 | Nut–Lock |
| 22 | 353–375 | 1 | Fitting–90° |
| 23 | 54–0090 | 1 | Valve Assembly |
| 24 | 237–42 | 2 | O–Ring |
| 25 | 3256–1 | 11 | Washer–Flat |
| 29 | 75–6820 | 1 | Meter–Hour |
| 30 | 54–1550 | 1 | Support–Hood |
| 32 | 92–5435 | 1 | Support–Seat, LH |
| 36 | 321–4 | 14 | Screw |
| 37 | 3296–39 | 1 | Nut |
| 38 | 2412–120 | 2 | R–Clamp |
| 39 | 3256–51 | 2 | Washer |
| 40 | 32144–73 | 4 | Screw |
| 41 | 74–0720 | 1 | Tube–Manual |
| 42 | 63–7590 | 1 | Relay |
| 43 | 92–6259 | 1 | Bracket |
| 45 | 32144–18 | 2 | Screw |
| 47 | 2412–100 | 1 | Clamp–Wire |
| 48 | 340–98 | 1 | Fitting |
| 49 | 322–2 | 3 | Screw–HH |



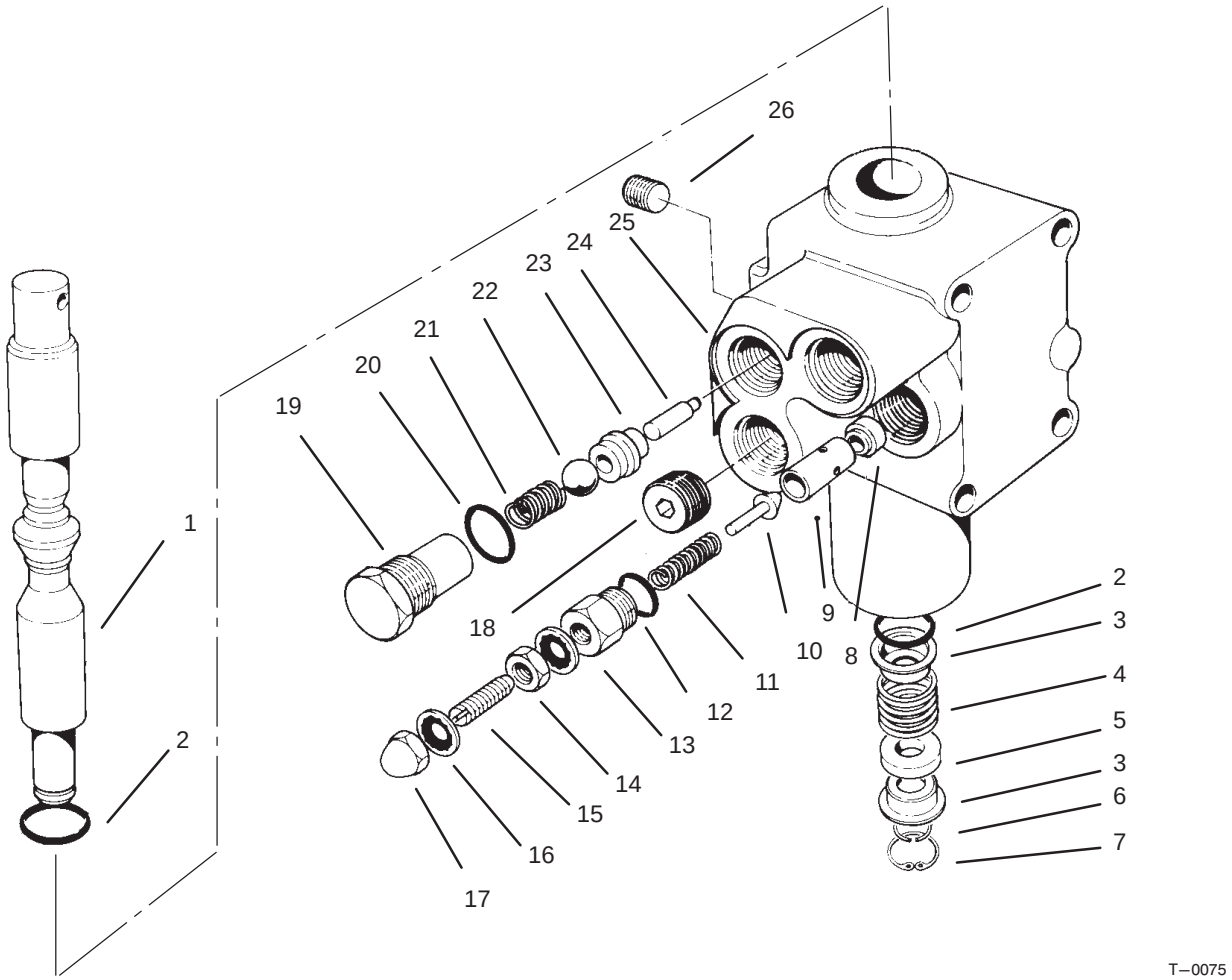

C–1603

# Seat Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 92–6280 | 1 | Seat |
| 2 | 51–0790 | 1 | Slide Seat Adjust Assembly |
| * | 51–0780 | 1 | RH Slide Seat ASM |
| 3 | 109989 | 4 | Spacer |
| 4 | 322–4 | 4 | Screw |
| 5 | 92–6284 | 2 | Plate–Adapter, Seat |
| 6 | 322–5 | 4 | Screw |
| 7 | 2412–93 | 1 | Clamp–Hose |
| 8 | 3296–29 | 8 | Nut–Lock |
| 9 | 114263 | 2 | Spring–Seat |
| 10 | 321–3 | 2 | Screw |
| 11 | 92–6282 | 1 | Switch–Seat |
| * | 92–6533 | 1 | Cushion–Replacement |

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

* Not illustrated



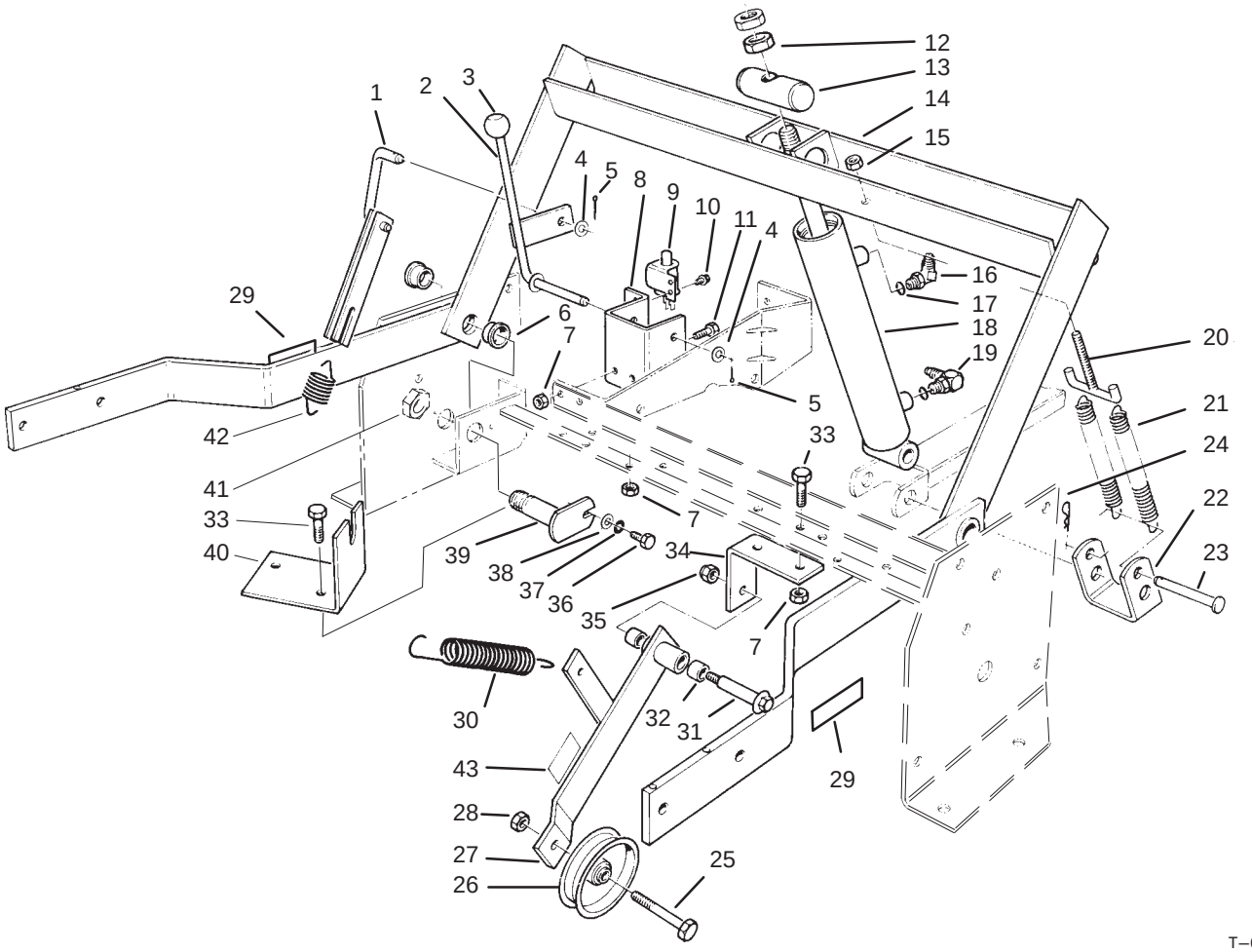

T–0075

# Vavle Assembly No. 54–0090

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 54–0260 | 1 | Spool |
| 2 | 22–8500 | 2 | O–Ring |
| 3 | 22–8380 | 2 | Retainer–Spring |
| 4 | 22–8410 | 1 | Spring |
| 5 | 27–5200 | 1 | Spacer |
| 6 | 22–8480 | 1 | Ring–Retaining |
| 7 | 22–8490 | 1 | Ring–Retaining |
| 8 | 55–3640 | 1 | Seat–Relief |
| ☆9 | | 1 | Guide |
| ☆10 | | 1 | Plunger |
| ☆11 | | 1 | Spring |
| ☆12 | | 1 | O–Ring |
| ☆13 | | 1 | Cap–PV Adjustment |
| ☆14 | | 1 | Nut |
| ☆15 | | 1 | Screw–Set |
| ☆16 | | 1 | Stat O Seal |
| ☆17 | | 1 | Nut – Acorn |
| 18 | 28–1120 | 1 | Plug |
| 19 | 22–8330 | 1 | Plug |
| 20 | 237–42 | 2 | ”O”Ring |
| 21 | 22–8340 | 1 | Spring |
| 22 | 22–8350 | 1 | Ball |
| 23 | 22–8370 | 1 | Seat – Check Valve |
| 24 | 22–8360 | 1 | Pin – Cam |
| ☆25 | | 1 | Body |
| 26 | 55–3650 | 1 | Plug |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| * | 55–3630 | 1 | Adjustable Relief Valve (Incl. Ref. #9–17) |

* Not illustrated
☆ Not serviced separately

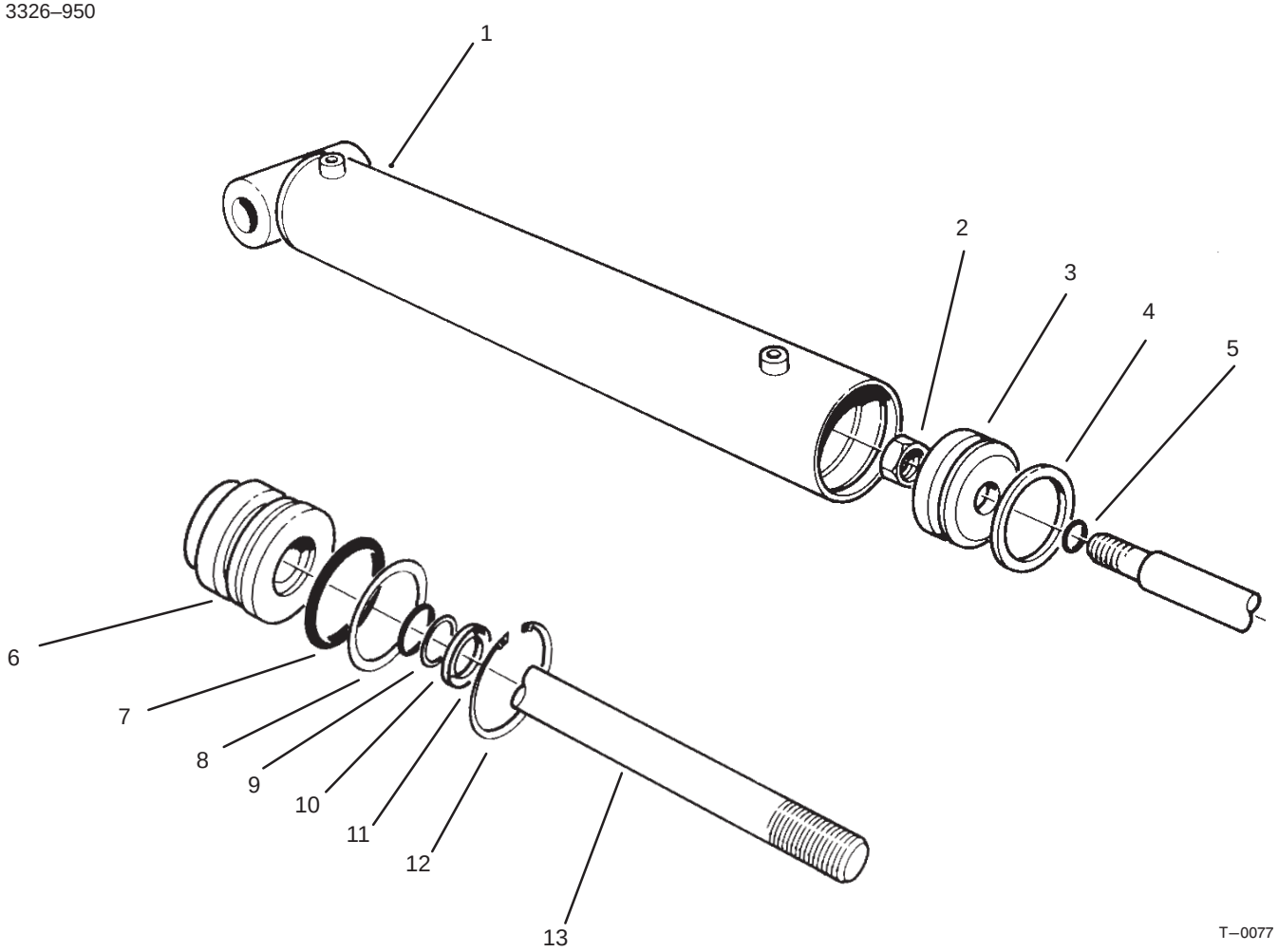



T–0076

# Parking Brake and Lift Frame Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 54–2120 | 1 | Link–Parking Brake |
| 2 | 54–2110 | 1 | Lever–Brake |
| 3 | 233–37 | 1 | Knob |
| 4 | 3256–24 | 2 | Washer–Flat |
| 5 | 3272–10 | 2 | Pin–Cotter |
| 6 | 27–9080 | 4 | Bushing |
| 7 | 3296–29 | 6 | Nut |
| 8 | 54–1270 | 1 | Bracket–Parking Brake |
| 9 | 55–7120 | 1 | Switch–Brake |
| 10 | 32144–1 | 2 | Screw–HWHTF |
| 11 | 322–6 | 2 | Screw |
| 12 | 3220–6 | 2 | Nut–Jam |
| 13 | 54–2000 | 1 | Pin–Pivot |
| 14 | 66–1570 | 1 | Frame–Lift (Incl. Ref. #6) |
| 15 | 32153–3 | 2 | Nut |
| 16 | 353–431 | 1 | Fitting–45° |
| 17 | 237–78 | 2 | O–Ring |
| 18 | 54–0150 | 1 | Cylinder–Lift |
| 19 | 353–375 | 1 | Fitting–90° |
| 20 | 56–3320 | 1 | T–Hook |
| 21 | 56–2760 | 2 | Spring–Extension |
| 22 | 56–3370 | 2 | Bracket–Spring |
| 23 | 283–55 | 1 | Pin–Clevis |
| 24 | 3290–355 | 1 | Pin–Cotter |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 25 | 323–10 | 1 | Screw |
| 26 | 36–3220 | 1 | Pulley–Idler |
| 27 | 12–1109 | 1 | Lever–Idler (Incl. Ref. #43) |
| 28 | 3296–44 | 1 | Nut |
| 29 | 61–3610 | 2 | Decal–Warning |
| 30 | 54–1170 | 1 | Spring–Extension |
| 31 | 27–6230 | 1 | Bolt–Shoulder |
| 32 | 256–154 | 2 | Bushing |
| 33 | 322–4 | 4 | Screw |
| 34 | 55–7310 | 1 | Bracket–Idler |
| 35 | 3296–6 | 1 | Nut |
| 36 | 321–2 | 2 | Screw |
| 37 | 3253–3 | 2 | Washer |
| 38 | 3256–1 | 2 | Washer |
| 39 | 54–2100 | 2 | Pin–Pivot |
| 40 | 56–6920 | 1 | Bracket–Cable, Extension |
| 41 | 3296–15 | 2 | Nut |
| 42 | 54–0960 | 1 | Spring–Parking Brake |
| 43 | 55–4300 | 1 | Decal |

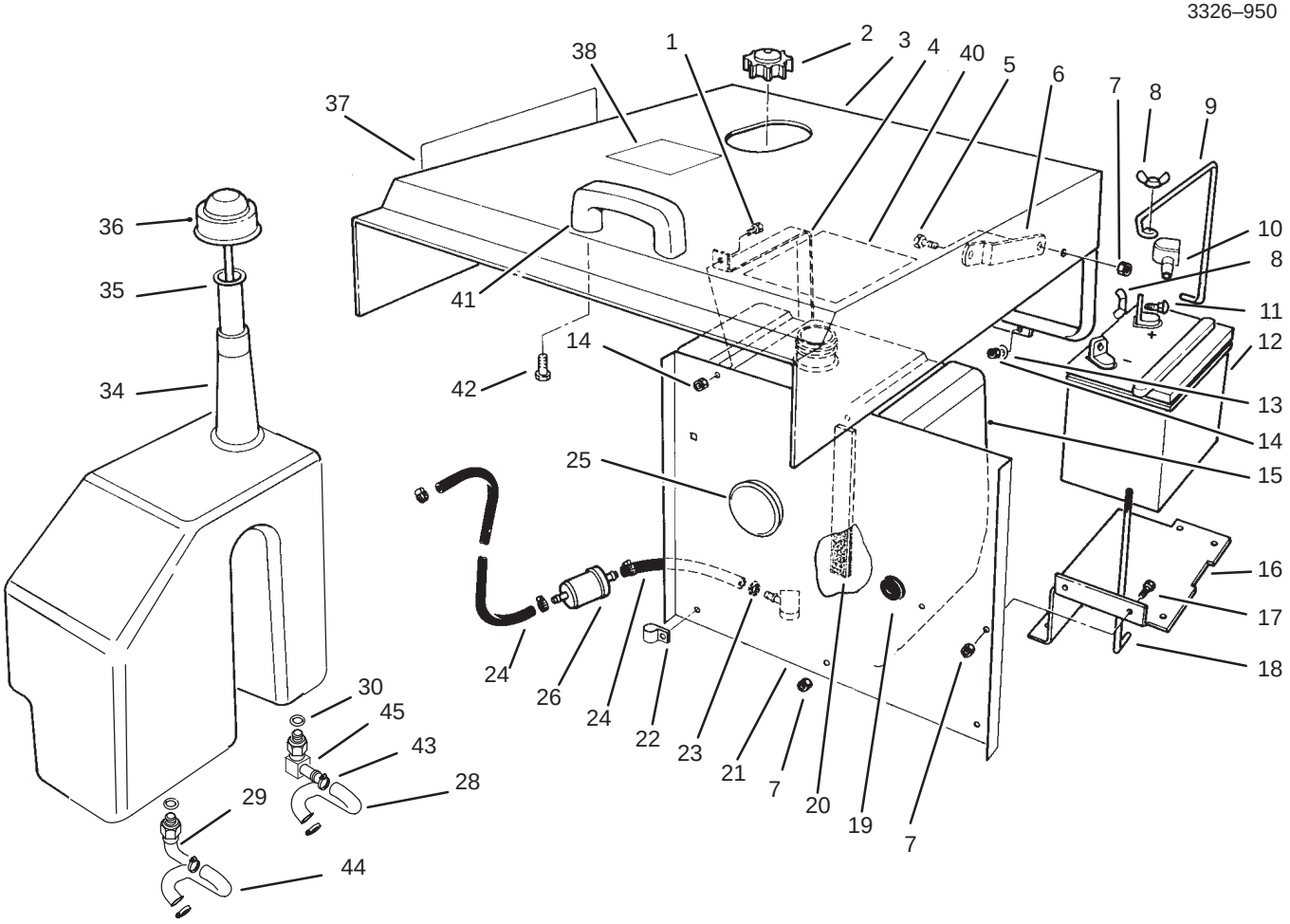



# Hydraulic Lift Cylinder Assembly 54–0150

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| ☆1 | | 1 | Barrel |
| 2 | 32152–10 | 1 | Nut–Lock |
| 3 | 54–0300 | 1 | Piston |
| ☆4 | | 1 | Uniring |
| ☆5 | | 1 | O–Ring |
| 6 | 54–0310 | 1 | Head |
| ☆7 | | 1 | O–Ring |
| ☆8 | | 1 | Washer–Backup |
| ☆9 | | 1 | O–Ring |
| ☆10 | | 1 | Washer–Backup |
| ☆11 | | 1 | Seal–Dust |
| 12 | 43–5220 | 1 | Ring–Retaining |
| 13 | 54–0280 | 1 | Shaft |
| * | 54–0290 | 1 | Seal Repair Kit (Incl. Ref. #4, 5 & 7–11) |

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

* Not illustrated
☆ Not serviced separately



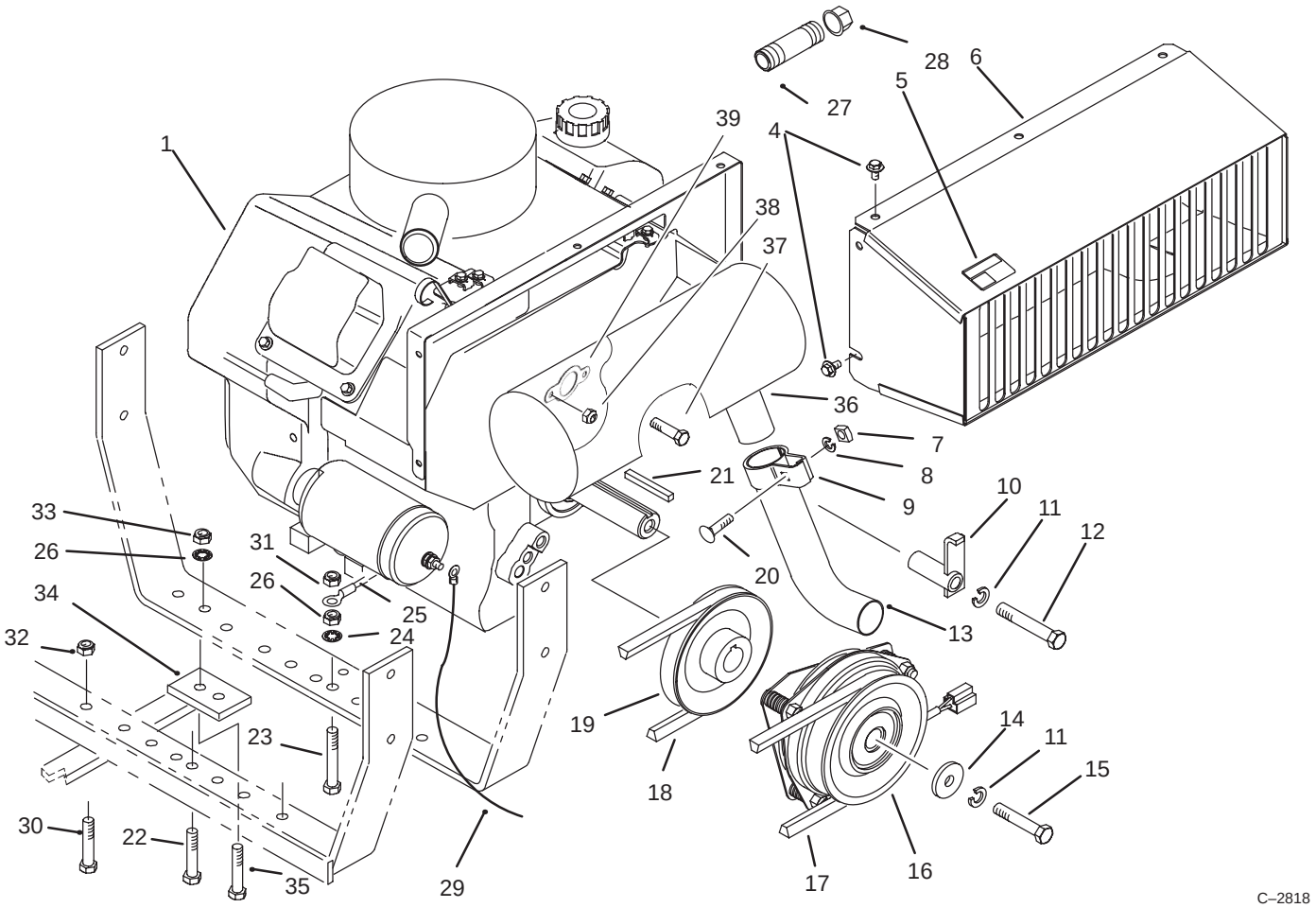

C–1630

# Hood, Fuel Tank and Hydraulic Reservoir Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 321–3 | 2 | Screw–HH |
| 2 | 55–3570 | 1 | Cap–Fuel |
| 3 | 14–4109 | 1 | Hood |
| 4 | 54–1880 | 2 | Strap–Tank, Fuel |
| 5 | 322–3 | 2 | Screw–HH |
| 6 | 54–1860 | 2 | Stop–Hood, Upper |
| 7 | 3296–29 | 9 | Nut–Hex |
| 8 | 32103–22 | 3 | Nut–Wing |
| 9 | 54–1260 | 1 | Clamp–Battery |
| 10 | 77–0981 | 1 | Boot–Terminal |
| 11 | 3229–1 | 2 | Bolt–Carriage |
| 12 | 82–4640 | 1 | Battery |
| 13 | 3256–1 | 4 | Washer |
| 14 | 3296–42 | 8 | Nut–Lock |
| 15 | 62–4040 | 1 | Tank–Fuel |
| 16 | 54–1850 | 1 | Support–Battery |
| 17 | 322–4 | 2 | Screw–HH |
| 18 | 12–5950 | 1 | Rod–Support, Battery |
| 19 | 237–100 | 1 | Grommet |
| 20 | 54–1890 | 2 | Foam–Tank |
| 21 | 92–6267 | 1 | Shield–Heat |
| 22 | 2412–100 | 3 | R–Clamp |
| 23 | 2412–108 | 4 | Clamp–Hose |
| 24 | 92–6283 | 2 | Hose–Fuel |
| 25 | 92–6274 | 1 | Plug–Cap |
| 26 | 94–9695 | 1 | Filter–Fuel |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 28 | 98–2853 | 1 | Hose–Hydraulic |
| 29 | 94–7691 | 1 | Adapter–Hydraulic (Incl. Ref. #30) |
| 30 | 237–80 | 2 | O–Ring |
| 34 | 98–0781 | 1 | Reservoir–Hydraulic |
| 35 | 29–0590 | 1 | Screen |
| 36 | 36–4950 | 1 | Cap–Oil |
| 37 | 94–5410 | 2 | Decal–Groundsmaster 120 |
| 38 | 92–6291 | 1 | Decal–Refueling |
| 40 | 92–6288 | 1 | Decal–Service |
| 41 | 65–5100 | 1 | Handle |
| 42 | 46–8091 | 2 | Screw |
| 43 | 2412–129 | 4 | Clamp–Hose |
| 44 | 98–2852 | 1 | Hose–Hydraulic |
| 45 | 98–2876 | 1 | Adapter–Hydraulic (Incl. Ref. #30) |
| * | 68–7330 | 1 | Decal–Danger |

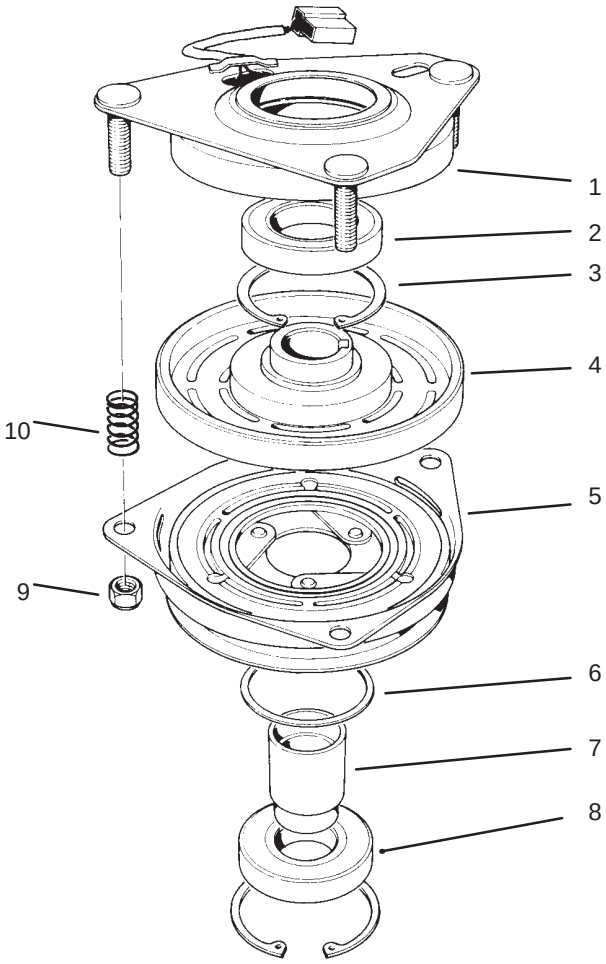
* Not illustrated




# Engine Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 105–3106 | 1 | Engine–Kohler 20 HP Model CH20QS–64678 |
| 4 | 48–7610 | 5 | Screw |
| 5 | 63–8440 | 1 | Decal–Surface, Hot |
| 6 | 92–6260 | 1 | Duct–Engine |
| 7 | 3217–6 | 1 | Nut–Square |
| 8 | 3253–4 | 1 | Washer–Lock |
| 9 | 55–8660 | 1 | Assembly–Clamp (Incl. Ref. #7, 8 & 20) |
| 10 | 54–2160 | 1 | Bracket–Anchor |
| 11 | 3253–6 | 2 | Washer–Lock |
| 12 | 324–11 | 1 | Screw–HH |
| 13 | 54–2290 | 1 | Pipe–Exhaust |
| 14 | 44–8160 | 1 | Washer–Flat |
| 15 | 3212–24 | 1 | Screw–HH |
| 16 | 54–0220 | 1 | Assembly–Clutch |
| 17 | 54–1380 | 1 | V–Belt |
| 18 | 54–1390 | 1 | V–Belt |
| 19 | 54–2330 | 1 | Pulley–Engine |
| 20 | 3230–3 | 1 | Bolt–Carriage |
| 21 | 5–0930 | 1 | Key |
| 22 | 323–10 | 1 | Screw–HH |
| 23 | 323–12 | 1 | Screw–HH |
| 24 | 3254–6 | 1 | Washer–Lock, Int |
| 25 | 92–6287 | 1 | Wire–Ground |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 26 | 3296–39 | 2 | Nut–Lock |
| 27 | 289–48 | 1 | Nipple–Pipe |
| 28 | 288–10 | 1 | Cap–Pipe |
| 29 | 28–3894 | 1 | Wire–Positive |
| 30 | 323–9 | 2 | Screw |
| 31 | 3290–357 | 1 | Nut–Wizz |
| 32 | 32128–21 | 2 | Nut–Lock |
| 33 | 3256–4 | 1 | Washer–Flat |
| 34 | 98–8000 | 1 | Guard–Tank |
| 35 | 323–7 | 1 | Screw–HH |
| 36 | 105–3102 | 1 | Muffler |
| 37 | 33104–020 | 1 | Screw |
| 38 | 96–6780 | 4 | Nut–Lock |
| 39 | 93–0350 | 2 | Gasket |

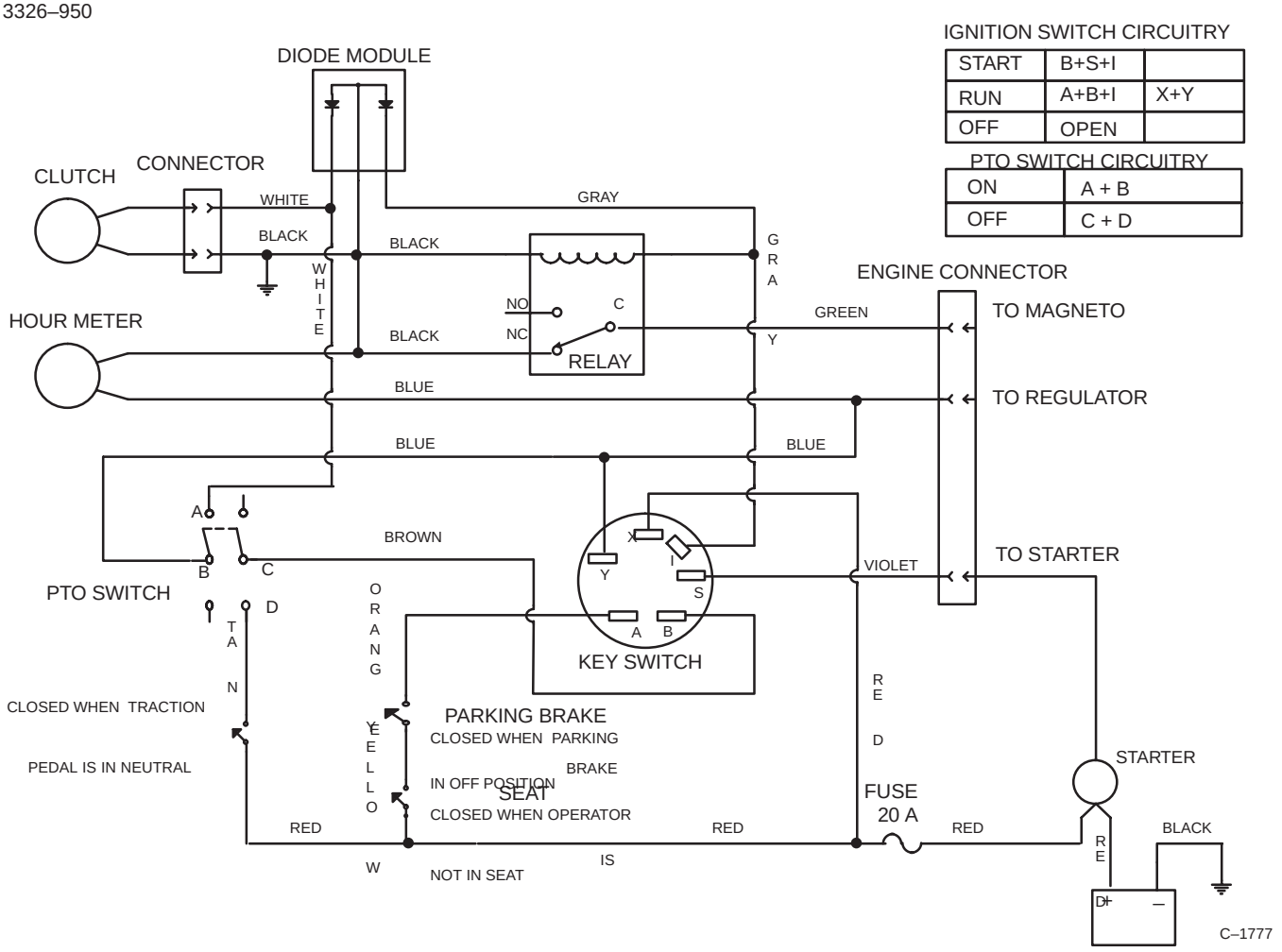



T–0080

# Clutch Assembly No. 54–0220

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 54–0230 | 1 | Field Assembly (Incl. Ref. #2 & 3) |
| 2 | 251–292 | 1 | Bearing–Field |
| 3 | 44–8310 | 2 | Ring–Retaining |
| 4 | 44–8360 | 1 | Field Coil–Rotor & Bearing (Incl. Ref. #1) |
| 5 | 44–8370 | 1 | Armature & Pulley Assembly (Incl. Ref. #3, 6, 7 & 8) |
| 6 | 44–8330 | 1 | Spacer–Bearing |
| 7 | 44–8340 | 1 | Collar–Bearing |
| 8 | 251–291 | 1 | Bearing–Pulley |
| 9 | 3296–6 | 3 | Nut–Lock |
| 10 | 44–8320 | 3 | Spring |

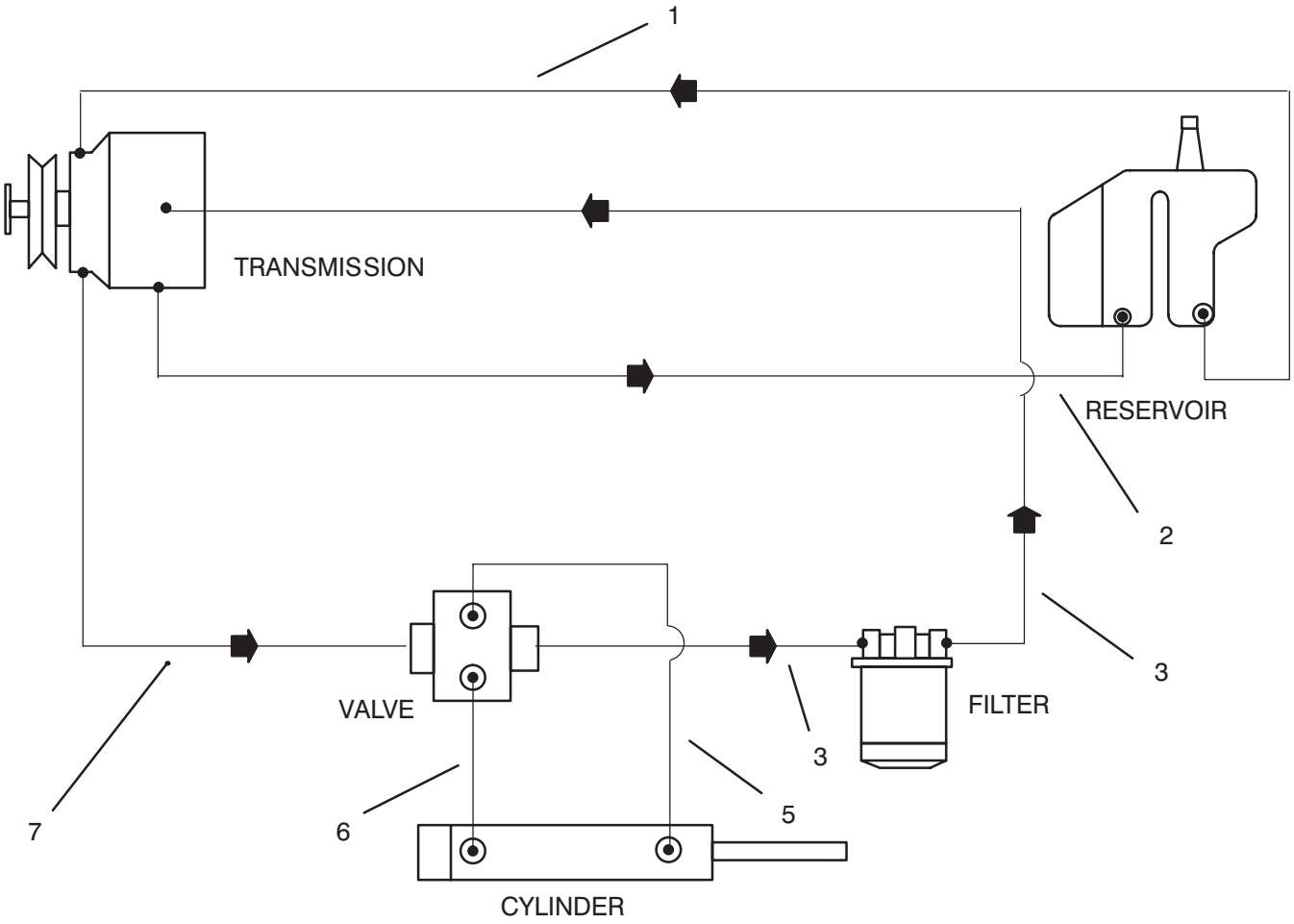
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|




# Electrical Schematic

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| * | 94–5848 | 1 | Harness–Wire |
| * | 94–5849 | 1 | Diode |

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

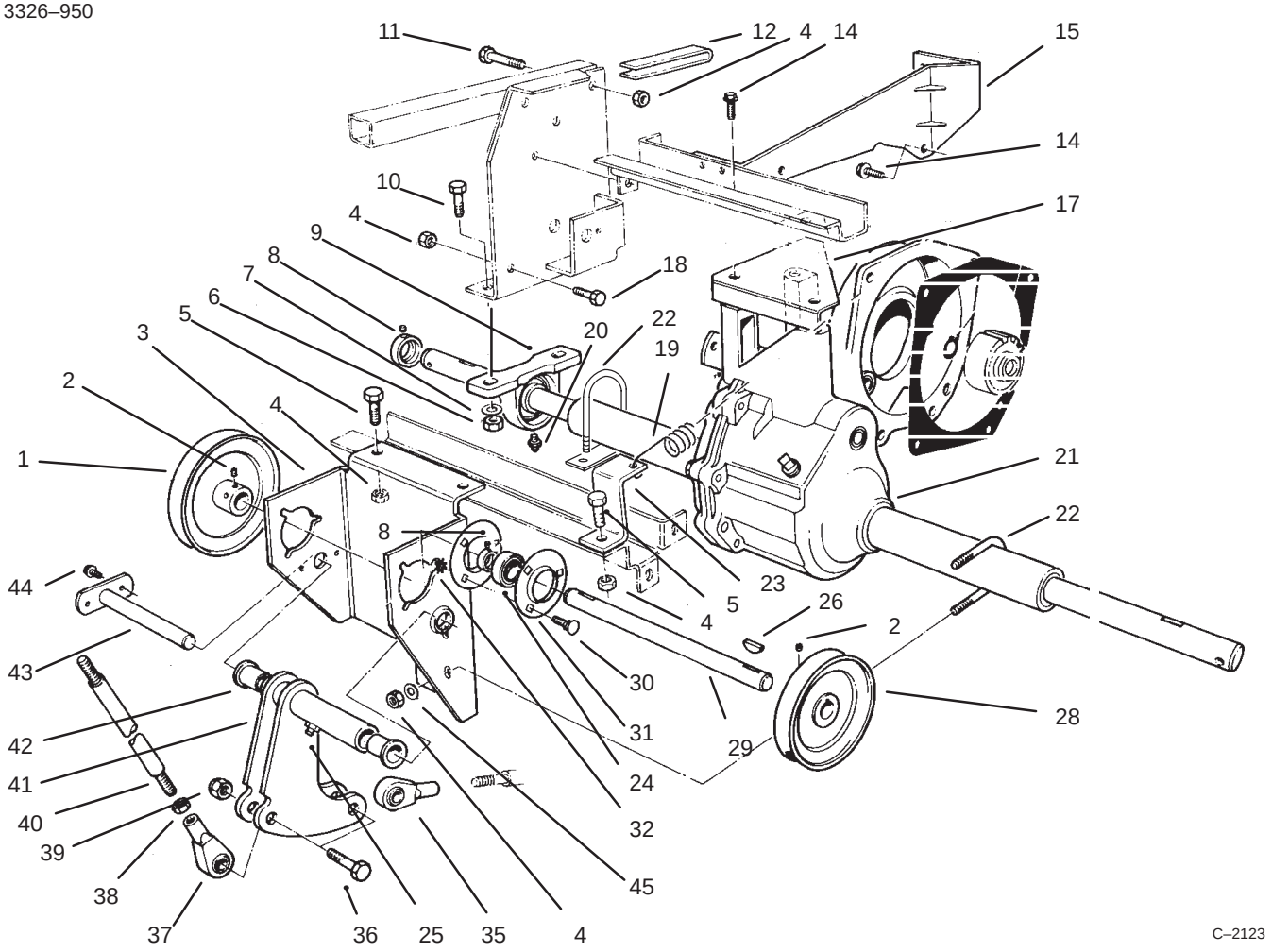



T–0084

# Hydraulic Schematic

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 98–2852 | 1 | Hydraulic Hose Assembly Reservoir to Transmission |
| 2 | 98–2853 | 1 | Hydraulic Hose Assembly |
| 3 | 98–2851 | 2 | Hydraulic Hose Assembly Filter to Transmission |
| 5 | 54–2610 | 1 | Hydraulic Hose Assembly Cylinder to Valve |
| 6 | 54–2620 | 1 | Hydraulic Hose Assembly Cylinder to Valve |
| 7 | 54–2590 | 1 | Hydraulic Hose Assembly Transmission to Valve |

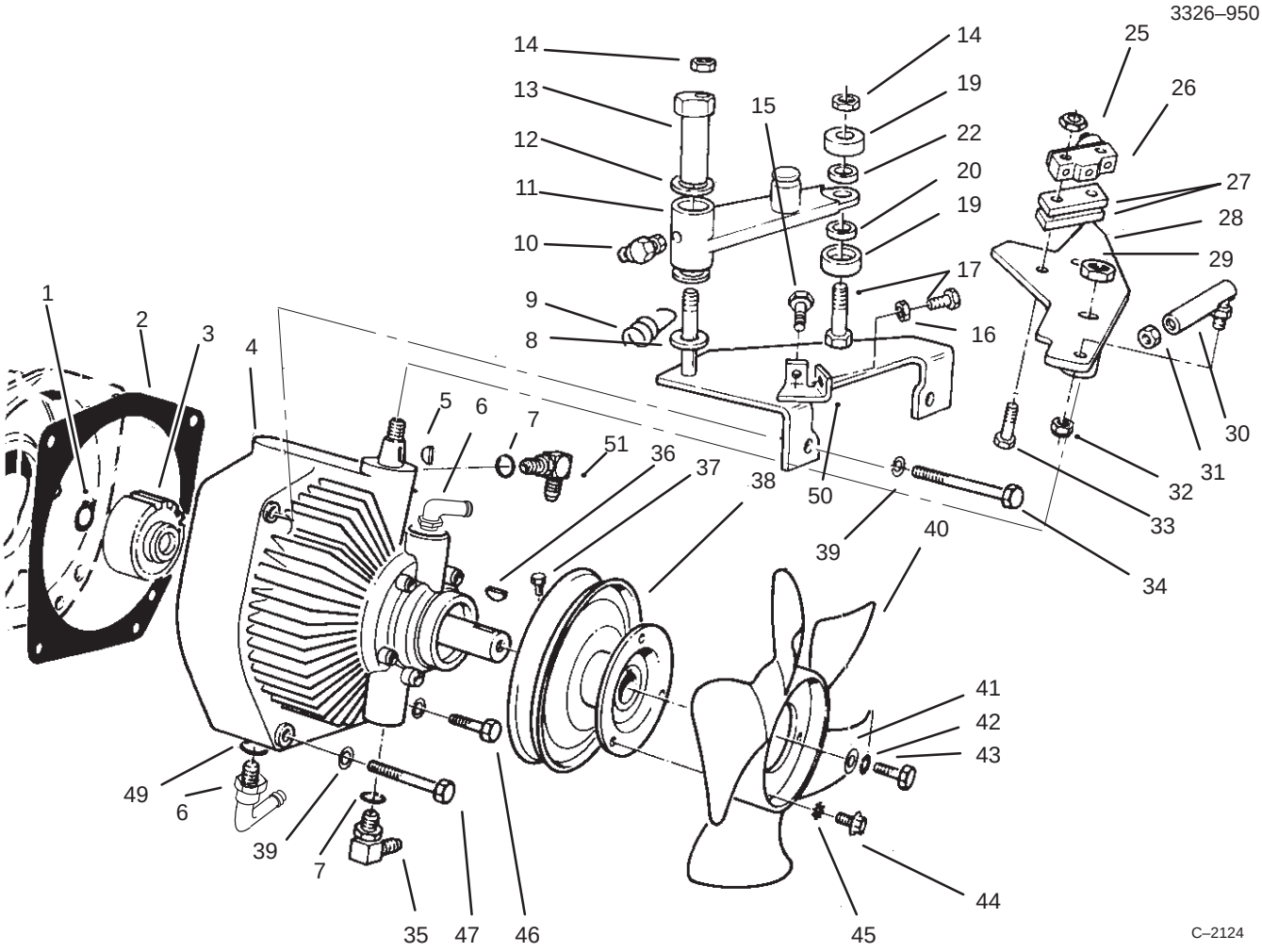
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|




# Differential Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 54–2390 | 1 | Pulley–Output |
| 2 | 3241–1 | 4 | Screw–Set |
| 3 | 60–9130 | 1 | Bracket–Jackshaft |
| 4 | 3296–29 | A/R | Nut–Lock |
| 5 | 322–4 | 6 | Screw–HH |
| 6 | 3296–44 | 4 | Nut–Lock |
| 7 | 3256–3 | 4 | Washer–Flat |
| 8 | 3245–35 | 4 | Screw–Set |
| 9 | 72–4060 | 2 | Bearing Assembly |
| 10 | 323–8 | 5 | Screw–HH |
| 11 | 322–10 | 4 | Screw–HH |
| 12 | 80–3750 | 2 | Spacer |
| 14 | 3234–1 | 5 | Screw–HHF |
| 15 | 59–1620 | 1 | Bracket–Transaxle |
| 17 | 60–8990 | 1 | Plate–Transaxle |
| 18 | 322–4 | 6 | Screw–HH |
| 19 | 76–9430 | 1 | Spring–Extension |
| 20 | 302–2 | 2 | Fitting–Grease |
| 21 | 98–2850 | 1 | Differential Asm |
| 22 | 54–8970 | 2 | U–Bolt |
| 23 | 92–6273 | 1 | Bracket–Spring |
| 24 | 251–288 | 2 | Bearing w/Collar |
| 25 | 302–49 | 1 | Fitting–Grease |
| 26 | 3257–5 | 3 | Key–Woodruff |
| 28 | 54–2380 | 1 | Pulley–Input |
| 29 | 54–1600 | 1 | Jackshaft |

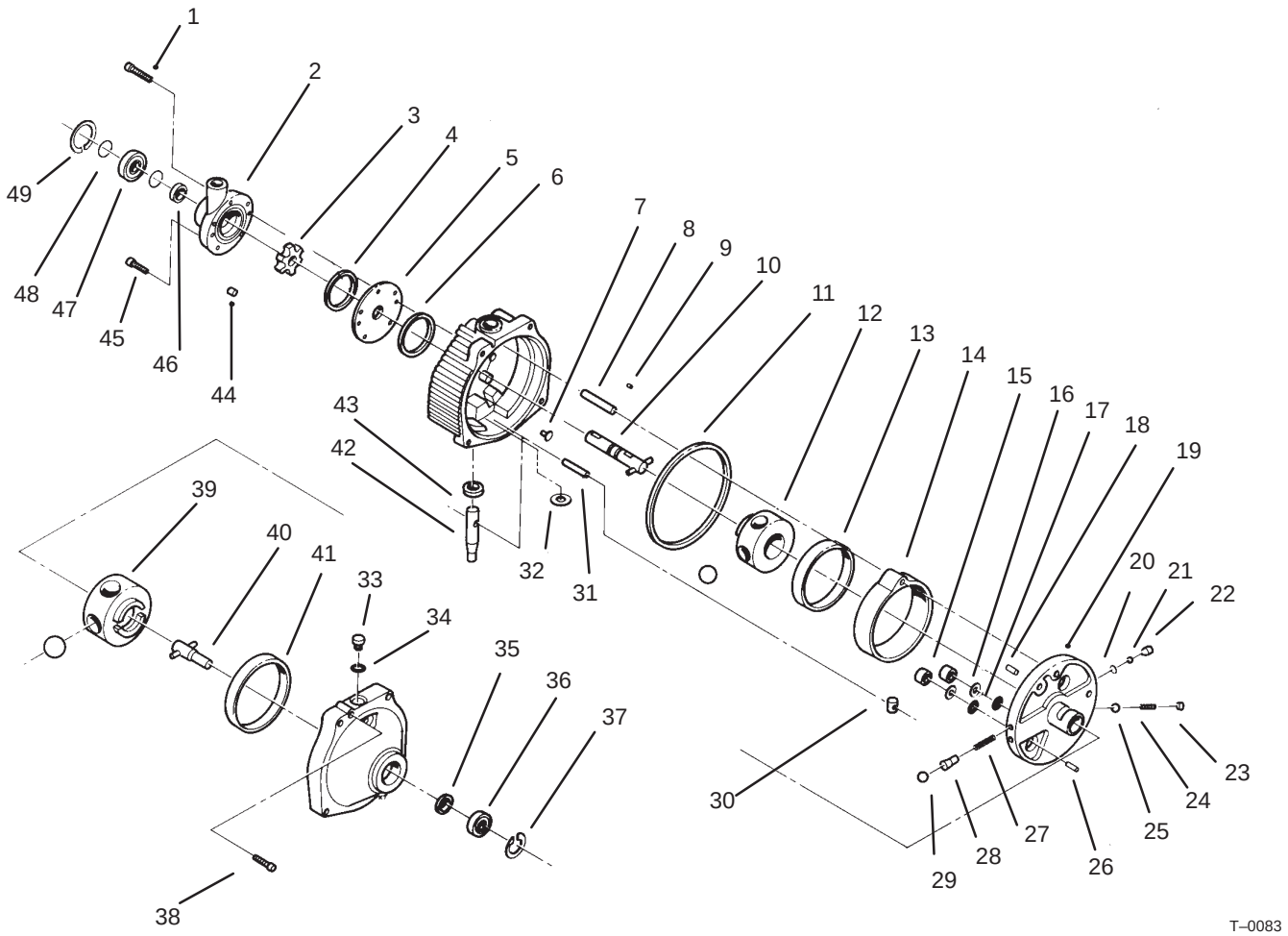
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 30 | 3230–1 | 6 | Bolt–Carriage |
| 31 | 251–341 | 4 | Flange–Bearing |
| 32 | 32149–1 | 6 | Nut–Lock |
| 35 | 251–304 | 1 | End–Rod |
| 36 | 324–7 | 2 | Screw–HH |
| 37 | 251–305 | 1 | End–Rod |
| 38 | 3220–4 | 2 | Nut–HJ |
| 39 | 3296–48 | 2 | Nut–Lock |
| 40 | 54–1490 | 1 | Rod–Steering |
| 41 | 54–2060 | 1 | Bellcrank Assembly (Incl. Ref. #25 & 42) |
| 42 | 46–6680 | 2 | Bushing–Flanged |
| 43 | 59–1470 | 1 | Shaft–Bellcrank |
| 44 | 46–8560 | 2 | Screw–HWHTF |
| 45 | 3256–23 | 2 | Washer–Flat |




# Transmission Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 32120–64 | 1 | Ring–Snap |
| 2 | 55–4320 | | Gasket |
| 3 | 54–0320 | 1 | Gear |
| 4 | 98–0777 | 1 | Transmission–Hydrostatic |
| 5 | 3257–24 | 1 | Key–Woodruff |
| 6 | 94–7691 | 2 | Adapter |
| 7 | 237–79 | 2 | O–Ring |
| 8 | 3256–68 | 1 | Washer |
| 9 | 76–9430 | 1 | Spring–Extension (Ref.) |
| 10 | 302–60 | | Fitting–Grease 90° |
| 11 | 92–6289 | 1 | Swing Arm Assembly (Incl. 256–113 Bushings (2) |
| 12 | 3–6498 | 1 | Washer |
| 13 | 76–8640 | 1 | Stud–Traction |
| 14 | 3296–29 | A/R | Nut–Lock |
| 15 | 322–6 | 2 | Screw–HH |
| 16 | 3217–6 | 4 | Nut |
| 17 | 322–7 | 1 | Screw–HH |
| 19 | 251–307 | 2 | Bearing |
| 20 | 92–6290 | 1 | Spacer |
| 22 | 75–5470 | 1 | Spacer–Bearing |
| 25 | 3296–9 | 2 | Nut |
| 26 | 29–6163 | 1 | Switch |

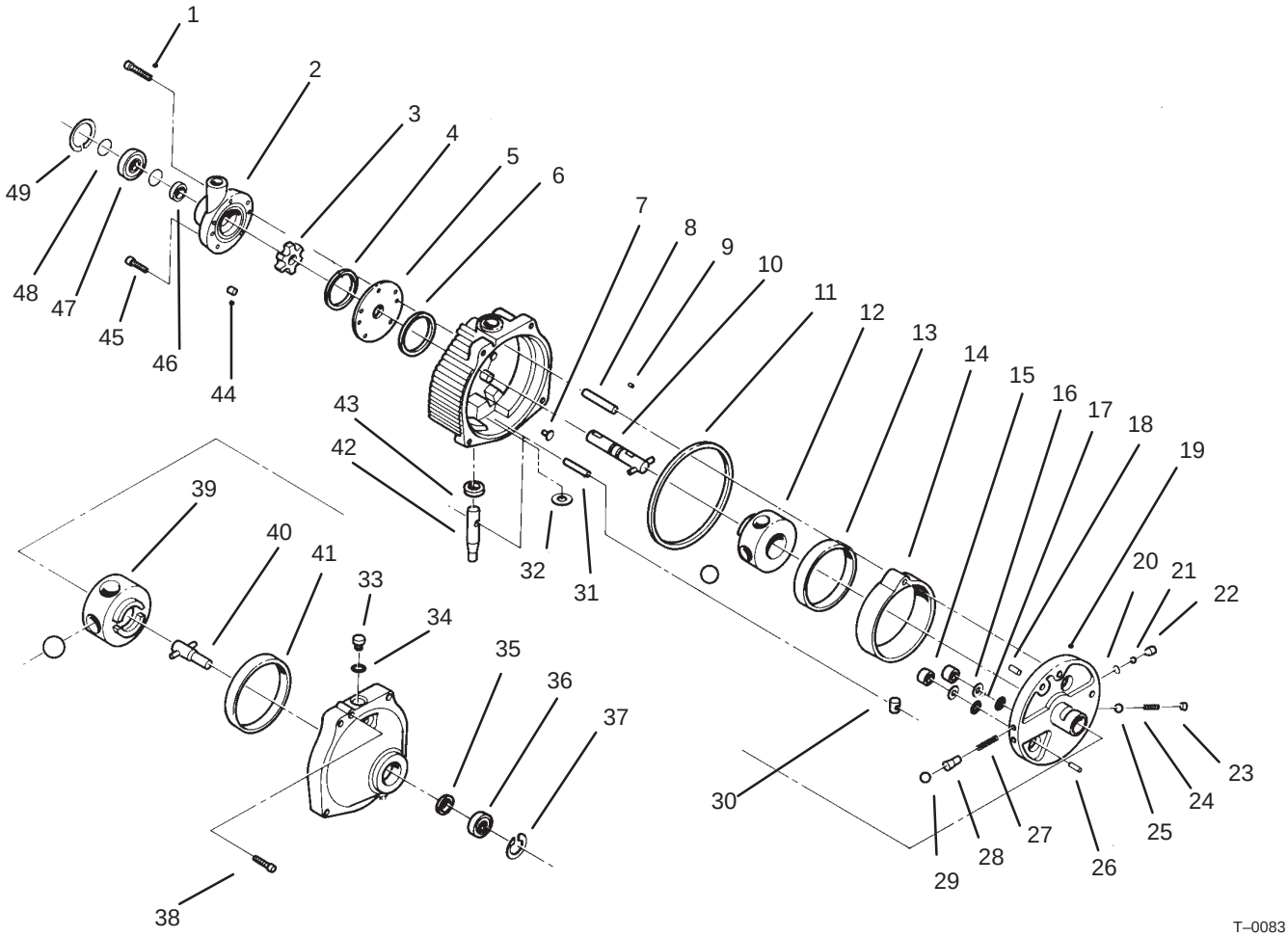
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 75–4130 | 2 | Spacer |
| 28 | 92–6269 | 2 | Lever–Traction |
| 29 | 3296–25 | 1 | Nut |
| 30 | 2411–34 | 1 | Joint–Ball |
| 31 | 3220–1 | 1 | Nut–HJ |
| 32 | 3296–3 | 1 | Nut–Lock |
| 33 | 3250–46 | 2 | Screw |
| 34 | 323–14 | 2 | Screw–HH |
| 35 | 353–511 | 1 | Fitting–Hydraulic, 90° (Incl. Ref. #7) |
| 36 | 3257–5 | 3 | Key–Woodruff |
| 37 | 3241–2 | 2 | Screw–Set |
| 38 | 54–0930 | 1 | Pulley–Transmission |
| 39 | 3253–5 | 4 | Washer–Lock |
| 40 | 54–0240 | 1 | Fan |
| 41 | 3256–55 | 1 | Washer |
| 42 | 3253–3 | 1 | Washer–Lock |
| 43 | 321–2 | 1 | Screw–HH |
| 44 | 32144–19 | 3 | Screw |
| 45 | 3255–5 | 3 | Washer–Lock |
| 46 | 323–13 | 1 | Screw–HH |
| 47 | 323–16 | 1 | Screw–HH |
| 49 | 237–80 | 2 | O–Ring |
| 50 | 92–6270 | 1 | Plate–Traction |
| 51 | 340–98 | 2 | Fitting–Hydro |




# Hydrostatic Transmission Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 56–2800 | 1 | Screw–HSH |
| 2 | 56–2830 | 1 | Charge Pump Assembly (Incl. Ref. #1) |
| 3 | 56–3120 | 1 | Carrier |
| 4 | 56–2850 | 1 | Ring–Seal |
| 5 | 56–2860 | 1 | Plate–Pump |
| 6 | 56–2870 | 1 | Ring–Seal |
| 7 | 56–2880 | 2 | Button |
| 8 | 56–2890 | 1 | Pin–Dowel |
| 9 | 56–2900 | 1 | Pin–Drive |
| 10 | 56–2910 | 1 | Input Shaft Assembly |
| 11 | 56–2920 | 1 | Ring–Seal |
| 12 | 56–2930 | 1 | Pump Rotor & Ball Assembly |
| ☆13 | | 1 | Race–Pump |
| 14 | 56–2940 | 1 | Cam Ring Assembly (Incl. Ref. #13) |
| 15 | 56–2950 | 2 | Piston |
| 16 | 56–2960 | 2 | Ring–Backup |
| 17 | 56–2970 | 2 | O–Ring |
| 18 | 56–2980 | 1 | Pin–Coil |
| 19 | 56–2990 | 1 | Pintle Assembly (Incl. Ref. #15–18, 20 22–26 & 27–29) |
| 20 | 56–3000 | 2 | Ring–Retaining |
| 21 | 56–3010 | 2 | Ball |
| 22 | 56–3020 | 2 | Body–Valve, Check |
| 23 | 56–3050 | 1 | Plug–Valve, Relief |
| 24 | 56–3040 | 1 | Spring–Valve, Relief |
| 25 | 56–3030 | 1 | Ball |
| 26 | 56–3060 | 1 | Pin–Dowel |
| 27 | 56–3180 | 2 | Spring–Valve |
| 28 | 56–3200 | 2 | Body–Valve |
| 29 | 56–3210 | 2 | Ball |
| 30 | 56–3170 | 1 | Insert–Ring, Cam |
| ☆31 | | 1 | Dowel |
| ☆32 | | 1 | Washer–Shaft, Control |
| 33 | 56–3250 | 1 | Plug Assembly (Incl. Ref. #34) |
| 34 | 56–3260 | 1 | O–Ring |
| 35 | 56–3270 | 1 | Seal–Oil |
| 36 | 56–3280 | 1 | Bearing–Output |
| 37 | 56–3290 | 1 | Ring–Retaining |
| 38 | 56–3300 | 2 | Screw–HSH |
| 39 | 56–3220 | 1 | Motor Rotor & Ball Assembly |
| 40 | 56–3230 | 1 | Output Shaft Assembly |
| 41 | 56–3240 | 1 | Race – Motor |
| 42 | 56–3140 | 1 | Control Shaft Kit (Incl. Ref. #31 & 32) |

☆ Not serviced separately

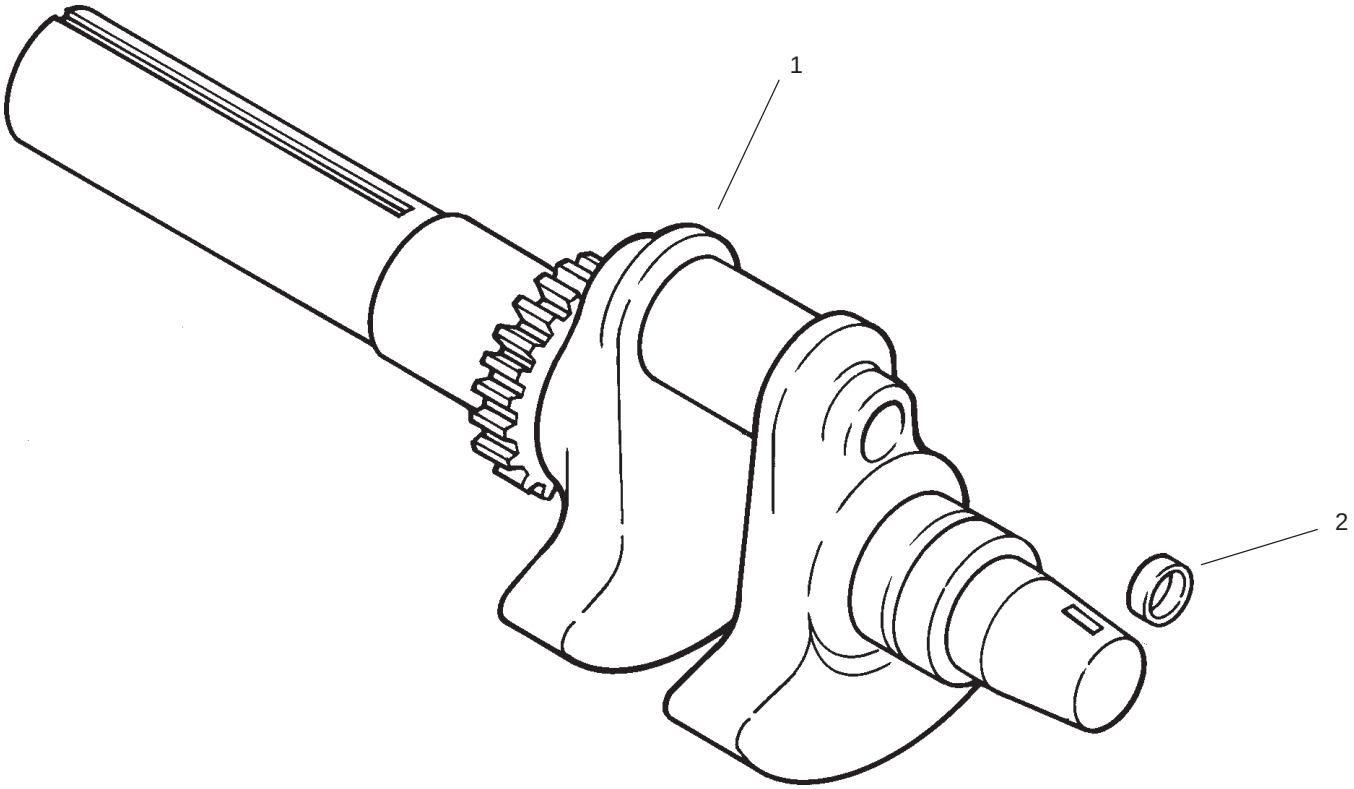



# Hydrostatic Transmission Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 43 | 56–3130 | 1 | Seal–Oil |
| 44 | 56–3110 | 6 | Pin–Roll |
| 45 | 56–3100 | 4 | Screw–HSH |
| 46 | 56–2820 | 1 | Seal–Oil |
| 47 | 56–2810 | 1 | Bearing–Input |
| 48 | 56–3090 | 2 | Ring–Retaining |
| 49 | 56–3080 | 1 | Ring–Retaining |
| * | 56–3310 | 1 | Kit–Overhaul Seal (Incl. Ref. #4, 6, 11, 16,17, 34, 35, 43 & 46) |

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

* Not illustrated

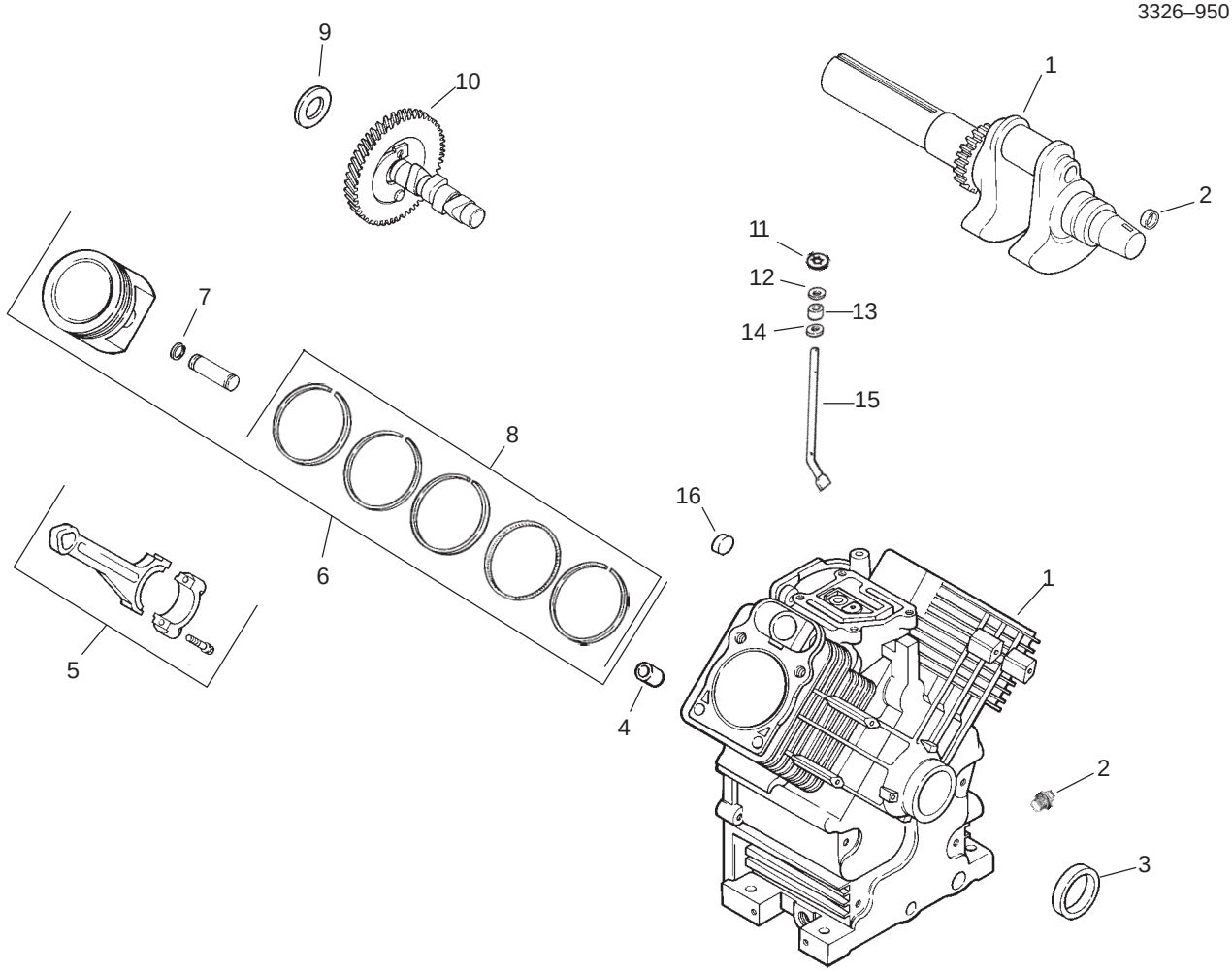



# Crankshaft Assembly
# Kohler Engine CH20QS–64678

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 24 014 32–S | 1 | Crankshaft ASM (Includes Ref. # 2) |
| 2 | 52 139 09–S | 1 | Plug–Cup |

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

**Obtain Parts From Kohler**

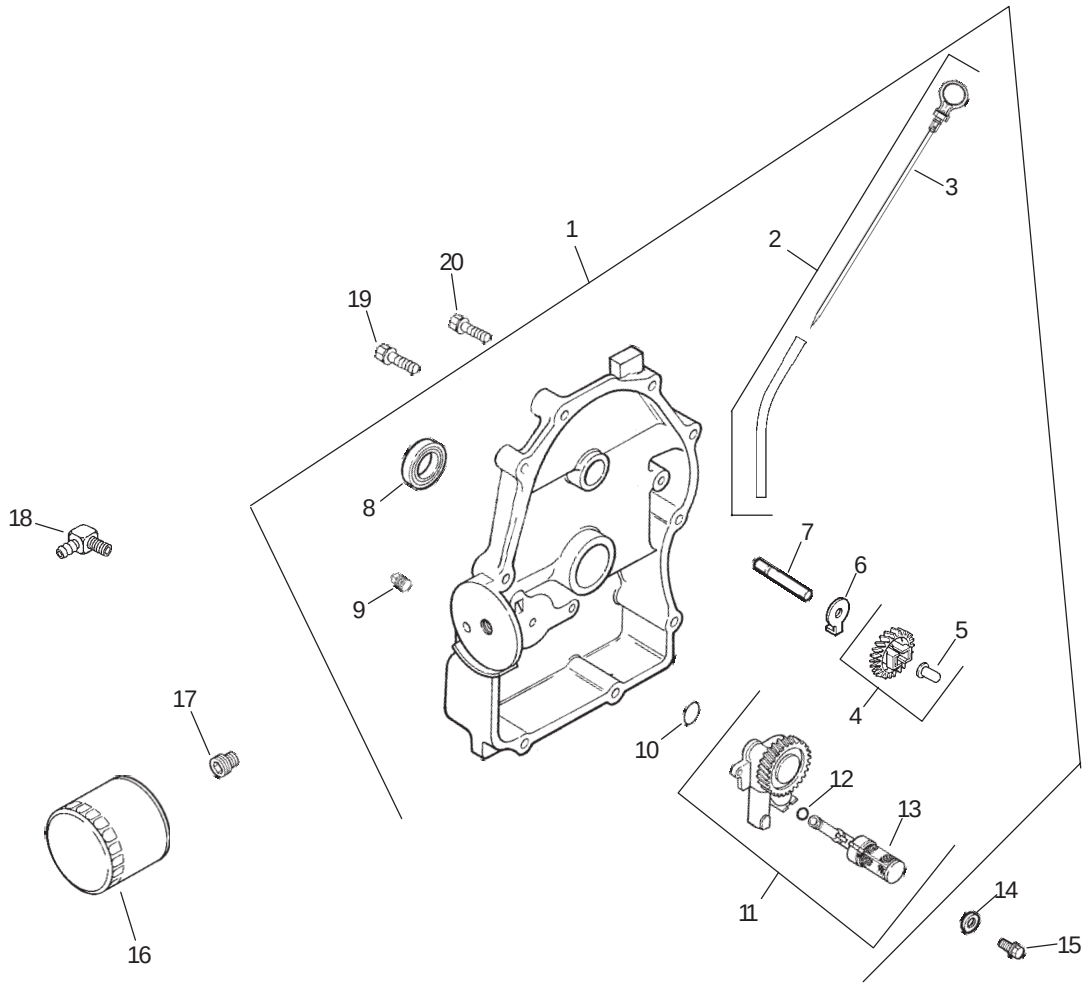



# Crankcase Assembly
# Kohler Engine CH20QS–64678

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | | 1 | Crankcase (Use: Miniblock 24 782 15) |
| 2 | 25 139 57–S | 2 | Plug–SQH |
| 3 | 24 032 01–S | 1 | Seal–Front, Oil |
| 4 | 24 380 13–S | 6 | Dowel–Locating |
| 5 | 24 067 13–S | 2 | Rod–Connecting (STD) |
| 5 | 24 067 14–S | 2 | Rod–Connecting (.025) |
| 6 | 24 874 17–S | 2 | Set–Piston w/ Ring (STD) (Incl. Ref.#7&8) |
| 6 | 24 874 14–S | 2 | Set–Piston w/ Ring (.08) |
| 6 | 24 874 18–S | 2 | Set–Piston w/ Ring (.25) |
| 6 | 24 874 19–S | 2 | Set–Piston w/ Ring (.50) |
| 7 | 24 018 01–S | 4 | Retainer–Pin, Piston |
| 8 | 24 108 11–S | 2 | Set–Ring (STD & .08) |
| 8 | 24 108 12–S | 2 | Set–Ring (.25) |
| 8 | 24 108 13–S | 2 | Set–Ring (.50) |
| 9 | 12 422 09–S | A/R | Shim–Camshaft, Red |
| 9 | 12 422 13–S | A/R | Shim–Camshaft, Black |
| 9 | 12 422 07–S | A/R | Shim–Camshaft, White |
| 9 | 12 422 08–S | A/R | Shim–Camshaft, Blue |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 9 | 12 422 10–S | 1 | Shim–Camshaft, Yellow |
| 9 | 12 422 11–S | A/R | Shim–Camshaft, Green |
| 9 | 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–Cross Shaft, Governor |
| 14 | 24 468 15–S | 1 | Washer (bottom) |
| 15 | 24 144 33–S | 1 | Shaft–Cross, Governor |
| 16 | 52 139 09–S | 1 | Plug–Cup |

**Obtain Parts From Kohler**

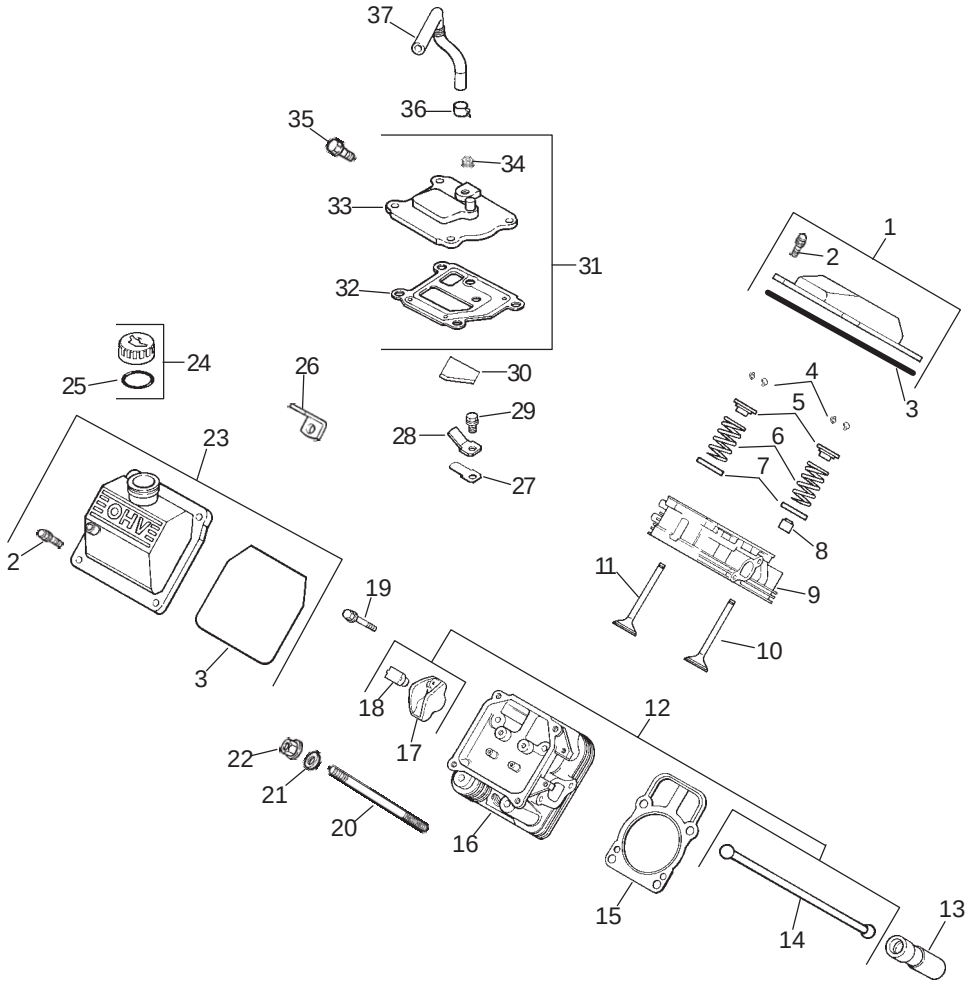



# Oil Pan/Lubrication Assembly
# Kohler Engine CH20QS–64678

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 24 009 83–S | 1 | Kit–Plate, Closure (Incl. Ref.# 2–13) |
| 2 | 24 755 121–S | 1 | Kit–Dipstick and Tube (Incl. Ref. # 3) |
| 3 | 24 038 10–S | 1 | Dipstick |
| 4 | 24 043 12–S | 1 | Kit–governor gear w/ pin (Incl. Ref. # 5) |
| 5 | 12 380 01–S | 1 | Pin–Regulating, Governor |
| 6 | 52 448 02–S | 1 | Tab–Locking |
| 7 | 12 144 02–S | 1 | Shaft–Gear, Governor |
| 8 | 52 032 08–S | 1 | Seal–Oil (PTO end) |
| 9 | 25 139 60–S | 1 | Plug–Pipe, Allen Head |
| 10 | 24 153 08–S | 1 | O–Ring |
| 11 | 24 393 10–S | 1 | Oil Pump ASM (Incl. Ref. # 12 & 13) |
| 12 | 24 153 01–S | 1 | O–Ring–Pick–Up, Oil |
| 13 | 24 381 04–S | 1 | Pick–up–Oil |
| 14 | M–631005–S | 2 | Washer–Plain |
| 15 | M–645025–S | 2 | Screw–HF |
| 16 | 52 050 02–S | 1 | Filter–Oil |
| 17 | 24 136 01–S | 1 | Nipple–Oil Filter |
| 18 | 25 155 02–S | 2 | Connector–Hose |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 19 | 24 086 16–S | 9 | Screw–HF |
| 20 | 24 086 17–S | 1 | Screw–HF |

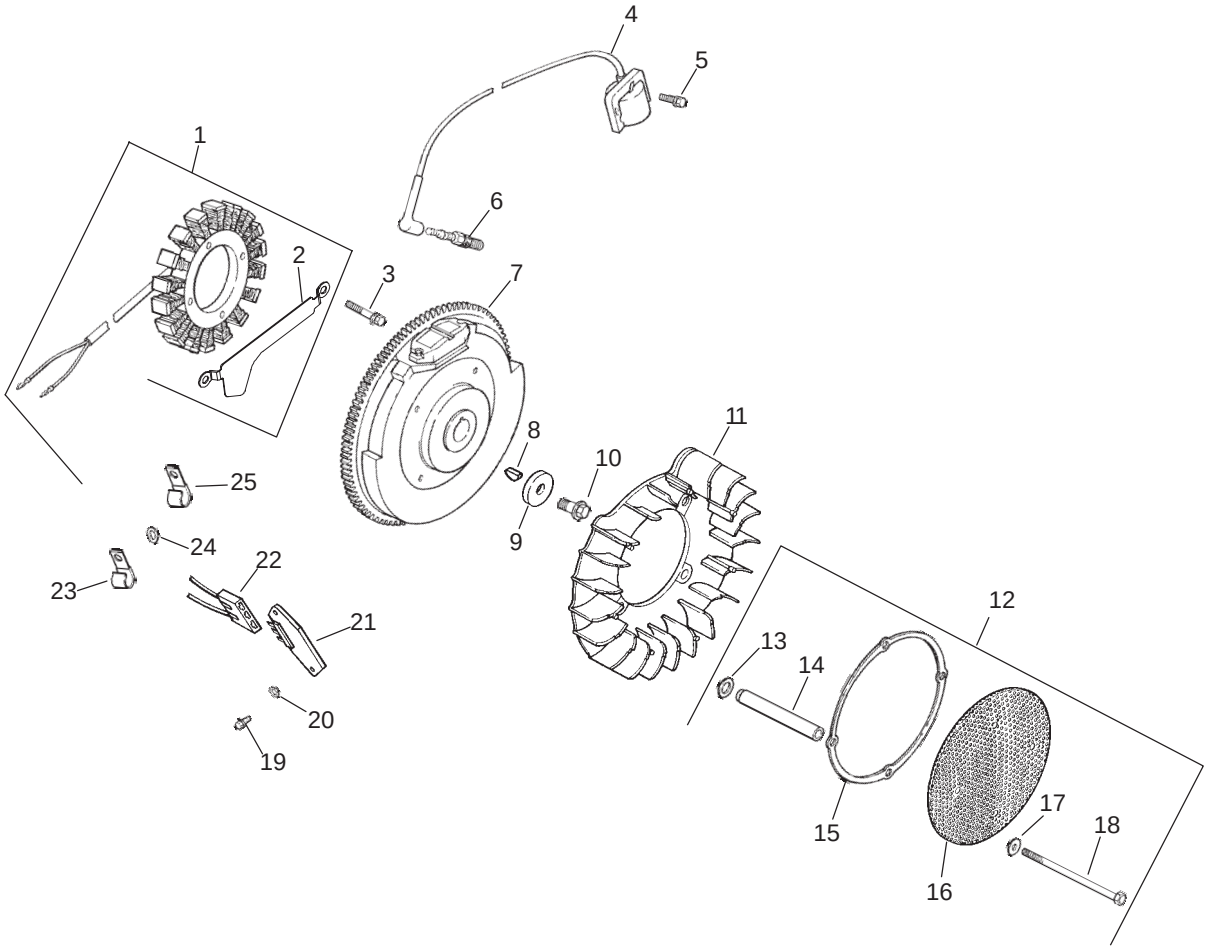
**Obtain Parts From Kohler**




# Head/Valve/Breather Assembly
# Kohler Engine CH20QS–64678

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 24 755 74–S | 1 | Kit–Valve Cover, Plain (Incl. Ref. # 2 & 3) |
| 2 | 24 086 32–S | 4 | Screw–Shoulder |
| 3 | 24 153 16–S | 1 | O–Ring–Cover, Valve |
| 4 | 12 755 03–S | 4 | Kit–Retainer |
| 5 | 12 173 01–S | 4 | Cap–Spring, Valve |
| 6 | 24 089 02–S | 4 | Spring–Valve |
| 7 | 235011–S | 4 | Retainer–Spring |
| 8 | 66 032 05–S | 2 | Seal–Stem, Valve |
| 9 | 24 318 68–S | 1 | #1 Cylinder Head ASM |
| 10 | 24 017 01–S | 2 | Valve–Intake (STD) |
| 10 | 24 017 02–S | 2 | Valve–Intake (.25) |
| 11 | 24 016 01–S | 2 | Valve–Exhaust (STD) |
| 11 | 24 016 02–S | 2 | Valve–Exhaust (.25) |
| 12 | 24 755 66–S | 1 | Kit–Train, Valve (Incl. Ref. #14, 17, 18) |
| 13 | 25 351 01–S | 4 | Lifter–Valve |
| 14 | 24 411 05–S | 4 | Rod–Push |
| 15 | 24 041 08–S | 2 | Gasket–Head, Cylinder |
| 16 | 24 318 71–S | 1 | #2 Cylinder Head ASM |
| 17 | 25 186 01–S | 4 | Arm–Rocker |
| 18 | 24 599 01–S | 4 | Pivot–Arm, Rocker |
| 19 | M–640034–S | 4 | Screw–HF |
| 20 | 24 072 09–S | 8 | Stud–Head, Cylinder |
| 21 | 24 468 16–S | 8 | Washer–Flat |
| 22 | 24 100 10–S | 8 | Nut–HF |
| 23 | 24 755 75–S | 1 | Kit–Oil Fill, Valve Cover (Incl. Ref. #2, 3, & 24) |
| 24 | 24 755 13–S | 1 | Kit–Cap, Oil Fill (Incl. Ref. # 25) |
| 25 | 12 153 03–S | 1 | O–Ring–Cap, Oil Fill |
| 26 | 24 445 01–S | 1 | Strap–Lifting |
| 27 | 24 402 03–S | 1 | Reed–Breather |
| 28 | 12 018 01–S | 1 | Retainer–Reed, Breather |
| 29 | M–545010–S | 1 | Screw–HF |
| 30 | 24 050 01–S | 1 | Filter–Breather |
| 31 | 24 033 01–S | 1 | Kit–Breather (Incl. Ref. # 34–34) |
| 32 | 24 041 23–S | 1 | Gasket–Breather |
| 33 | 24 096 58–S | 1 | Cover–Breather |
| 34 | 25 139 60–S | 1 | Plug–Pipe |
| 35 | M–645020–S | 4 | Screw–HF |
| 36 | 25–237–14–S | 1 | Clamp–Breather |
| 37 | 24 326 26–S | 1 | Hose–Breather |

**Obtain Parts From Kohler**



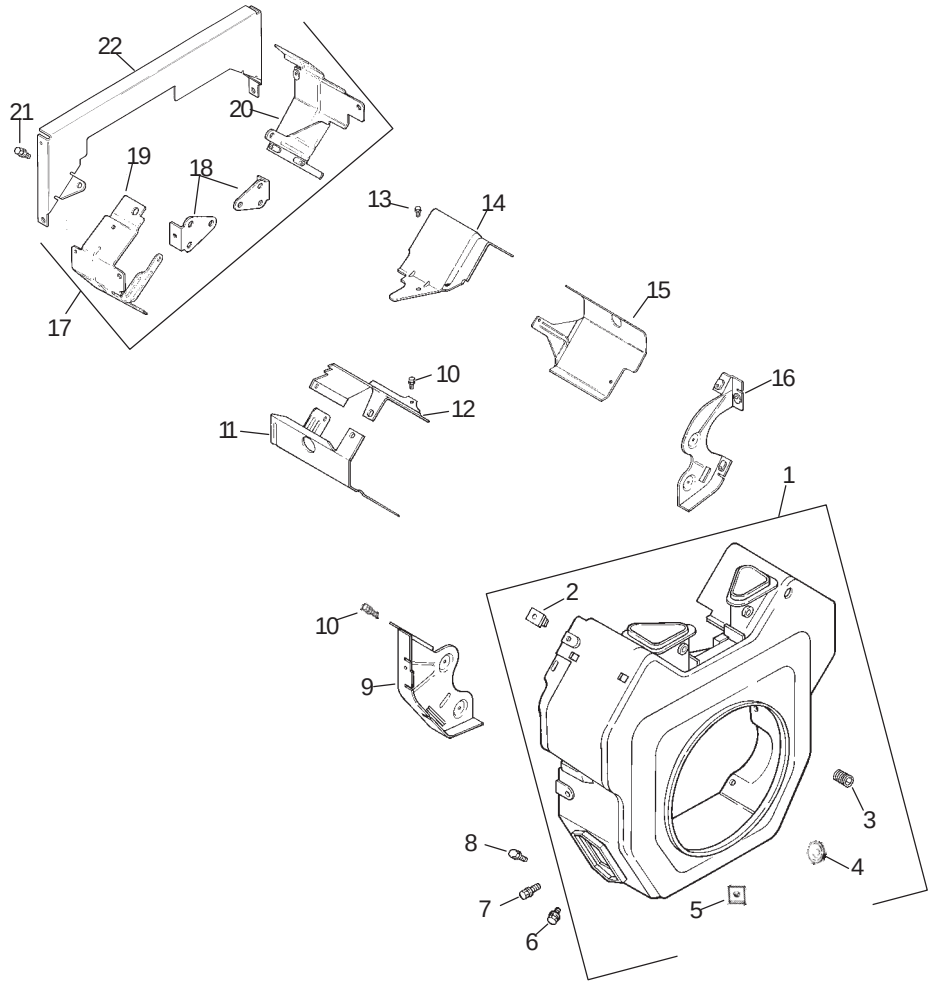

# Ignition/Electrical Assembly
# Kohler Engine CH20QS–64678

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 54 755 09–S | 1 | Kit–Stator, 15 amp (Incl. Ref. # 2) |
| 2 | 24 126 71–S | 1 | Bracket–Wire, Stator |
| 3 | M–548025–S | 2 | Screw–Cap, Hex |
| 4 | 24 584 01–S | 2 | Module–Ignition |
| 5 | M–545020–S | 4 | Screw–HF |
| 6 | 12 132 06–S | 2 | Plug–Spark |
| 7 | 24 025 04–S | 1 | Flywheel |
| 8 | X–42–15–S | 1 | Key |
| 9 | 12 468 03–S | 1 | Washer–Plain |
| 10 | 12 086 14–S | 1 | Screw–HF |
| 11 | 24 157 03–S | 2 | Fan |
| 12 | 24 755 79–S | 1 | Kit–Screen, Chopper (Incl. Ref. # 13–18 & 41 037 10–S) |
| 13 | 24 468 11–S | 4 | Washer–Spring |
| 14 | 24 112 14–S | 4 | Spacer |
| 14 | X–25–53–S | 4 | Washer–Plain |
| 15 | 24 141 06–S | 1 | Ring–Support |
| 16 | 24 162 25–S | 1 | Screen–Grass |
| 17 | X–25–53–S | 2 | Washer–Plain |
| 18 | M–603100–S | 4 | Screw–HH |
| 19 | 24 086 18–S | 2 | Screw–Head, Phillips |
| 20 | X–25–92–S | 2 | Washer–Plain |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 21 | 25 403 03–S | 1 | Rectifier–Regulator (15 amp) |
| 22 | 236602–S | 1 | Connector–3 Contact |
| 23 | 235173–S | 1 | Clip–Cable |
| 24 | X–25–63–S | 1 | Washer–Plain |
| 25 | 48 154 02–S | 1 | Clip–Cable |
| * | 24 518 12–S | 1 | Lead–Black (5” – 12 gauge – insulated grip barrel eyelet terminals) |
| * | 24 176 40–S | 1 | Harness–Wiring |
| * | 25 454 03–S | 2 | Tie–Cable |
| * | 25 086 43–S | 1 | Screw–Set |
| * | X–22–11–S | 1 | Washer–Lock |
| * | 41 037 10–S | 1 | Nameplate–Service |

* Not illustrated

**Obtain Parts From Kohler**



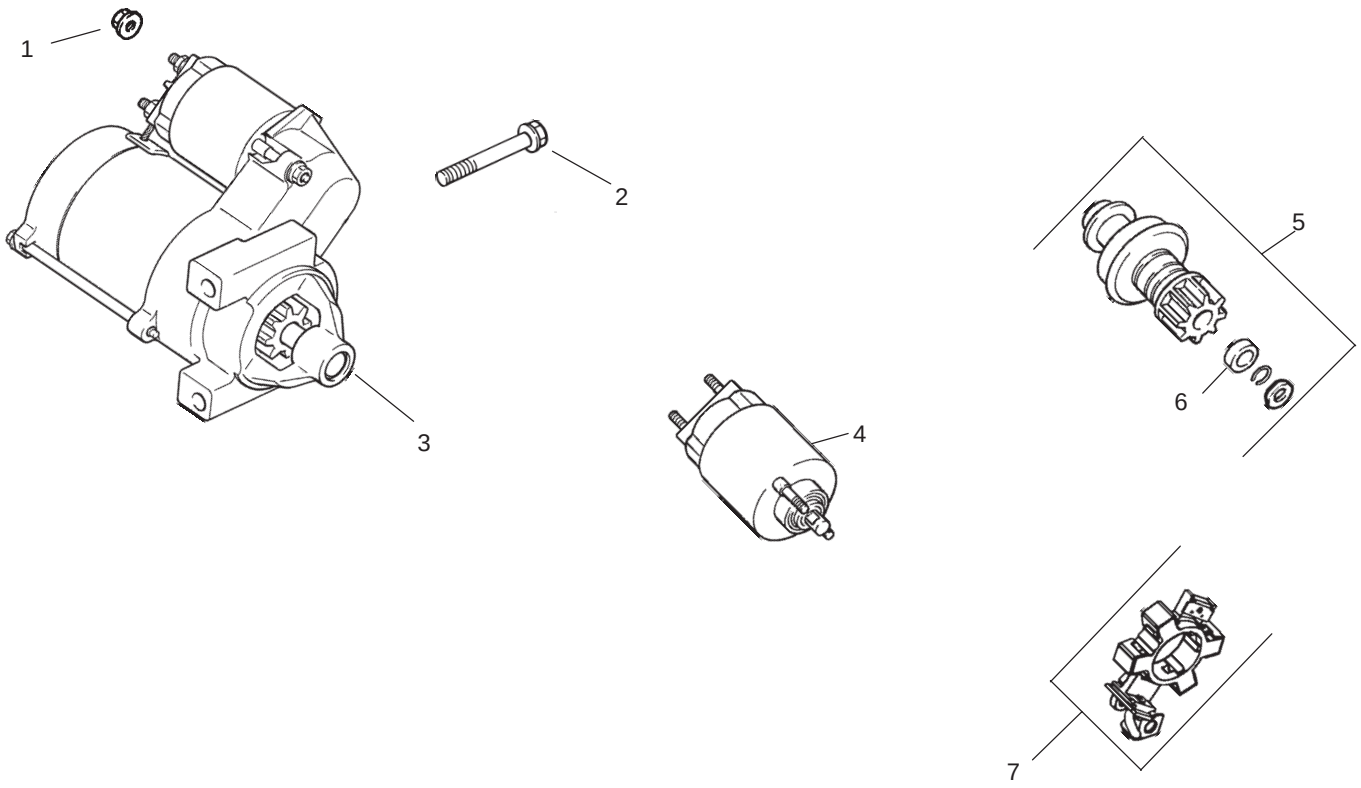

# Blower Housing and Baffles Assembly
# Kohler Engine CH20QS–64678

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 24 027 83–S | 1 | Blower Housing ASM (Incl. Ref. # 2–5 & 24 755 90–S) |
| 2 | 24 100 01–S | 4 | Nut–Plastic |
| 3 | 25 086 43–S | 1 | Screw–Set |
| 4 | 25 139 16–S | 1 | Plug–Button |
| 5 | 24 100 02–S | 2 | Nut–Plastic |
| 6 | M–551016–S | 1 | Screw–HF |
| 7 | M–545016–S | 2 | Screw–HF |
| 8 | M–545020–S | 4 | Screw–HF |
| 9 | 24 146 16–S | 1 | Plate–Backing, #2 Side |
| 10 | M–645016–S | 6 | Screw–HF |
| 11 | 24 063 20–S | 1 | Baffle–Cylinder Barrel, #2 Side |
| 12 | 24 063 17–S | 1 | Baffle–Valley, #2 Side |
| 13 | M–545010–S | 2 | Screw–HF |
| 14 | 24 063 59–S | 1 | Baffle–Valley, #1 Side |
| 15 | 24 063 58–S | 1 | Baffle–Cylinder Barrel, #1 Side |
| 16 | 24 146 20–S | 1 | Plate–Backing, #1 Side |
| 17 | 24 755 14–S | 1 | Q–duct Kit (Incl. Ref. # 18–22) |
| 20 | 24 063 12–S | 1 | Baffle–Ducted Air, Right |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 21 | M–639010–S | 8 | Screw–HF |
| 22 | 24 146 04–S | 1 | Plate–Ducted Air Backing |
| 28 | 24 126 04 | 2 | Bracket–Support |
| 29 | 24 063 13–S | 1 | Baffle–Ducted Air, Left |
| * | 24 755 90–S | 1 | Access Hole Plug Kit |
| * | 24 113 95–S | 1 | Decal–HP |

* Not illustrated

**Obtain Parts From Kohler**

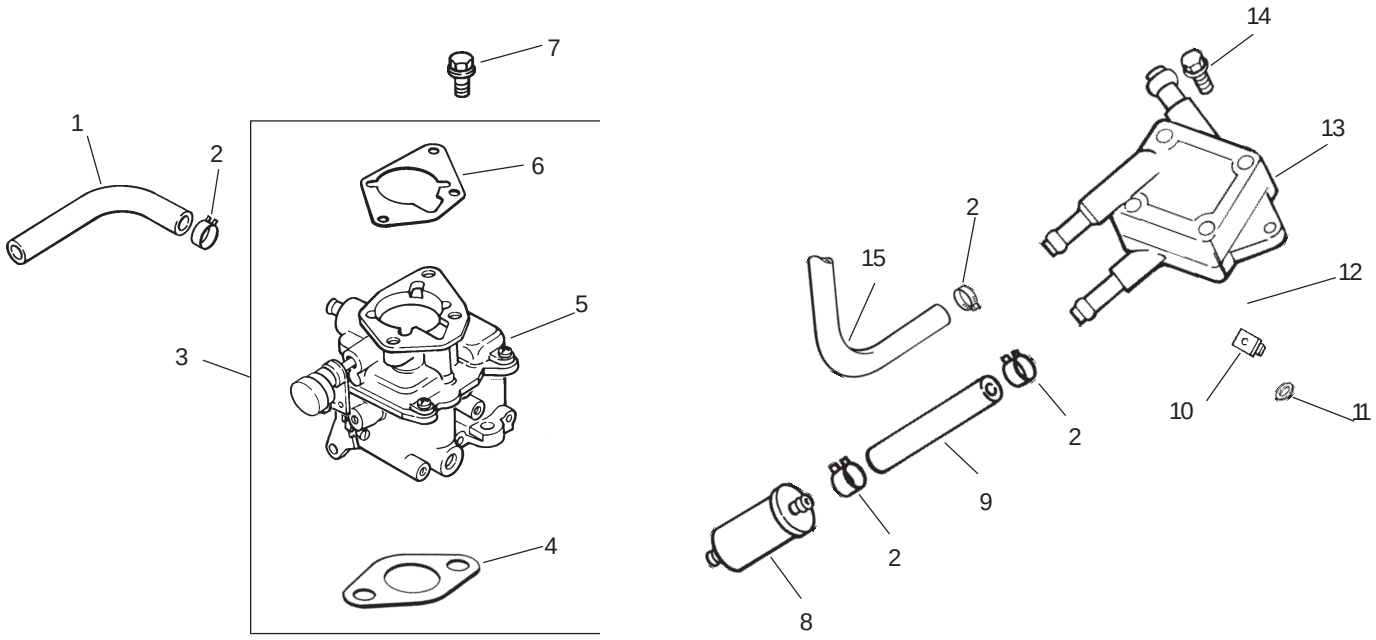



# Starting System
# Kohler Engine CH20QS–64678

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | M–841080–S | 1 | Nut–HF |
| 2 | M–839080–S | 2 | Screw–HF |
| 3 | 25 098 08–S | 1 | Solenoid Shift Starter |
| 4 | 25 435 04–S | 1 | Kit–Solenoid ASM (service w/ kits listed below) |
| 5 | 25 755 33–S | 1 | Kit–Drive, Pinion (Includes Ref # 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**




# Fuel System Assembly
# Kohler Engine CH20QS–64678

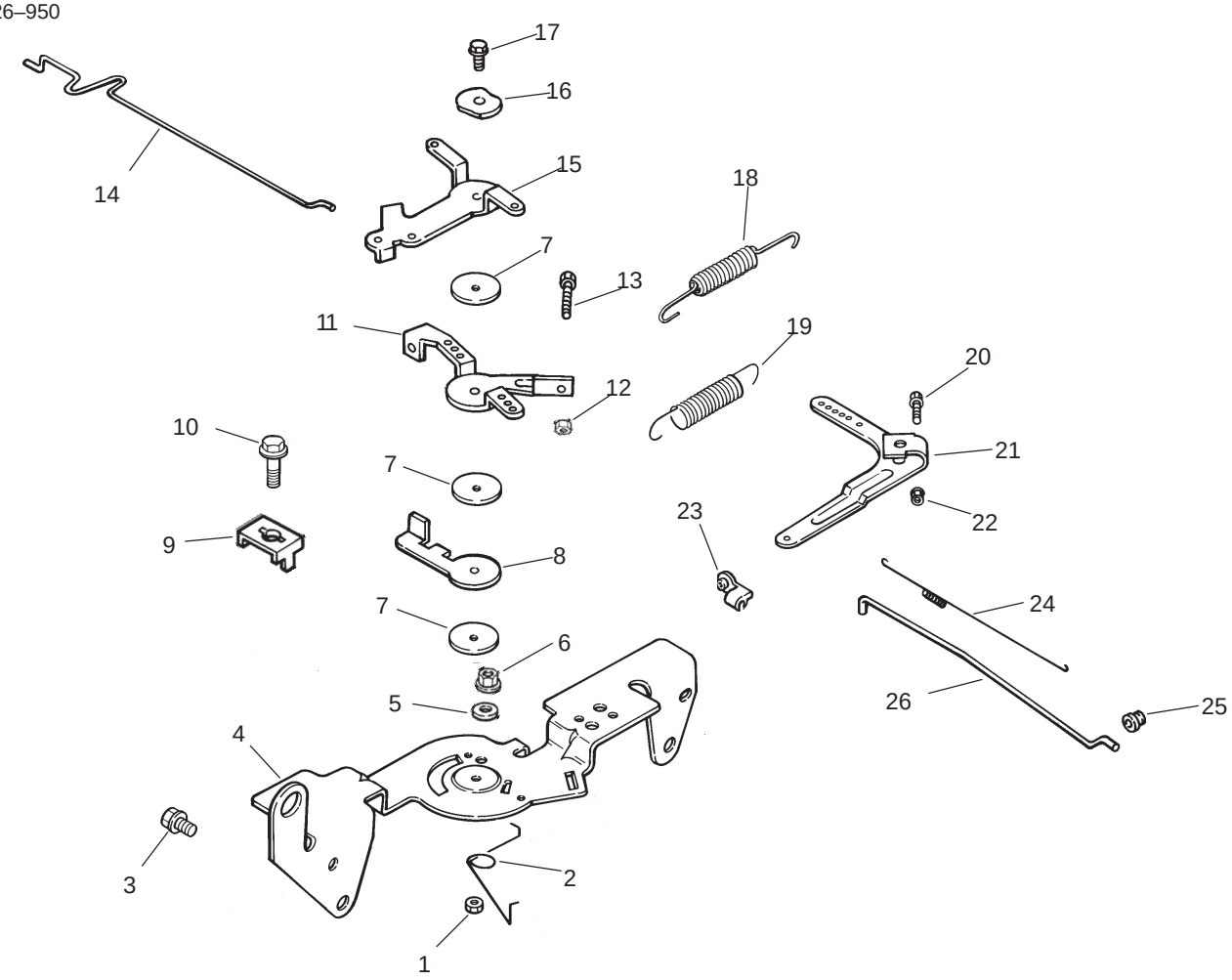
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 25 353 32–S | 2 | Line–Fuel |
| 2 | 25 237 14–S | 6 | Clamp–Hose |
| 3 | 24 853 32–S | 1 | Kit–Carburetor w/ Gasket (Incl. Ref. # 4–6) |
| 4 | 24 041 06–S | 1 | Gasket–Base, Air Cleaner |
| 5 | | 1 | Carburetor ASM (For information only, not available separately. Service with kits 24 757 01–S, 24 757 02–S, 24 757 03–S & 24 757 07–S) |
| 6 | 24 041 17–S | 1 | Gasket–Carburetor |
| 7 | M–651030–S | 2 | Screw–HF |
| 8 | 24 050 02–S | 1 | Filter–Fuel |
| 9 | 41 353 14–S | 1 | Line–Fuel |
| 10 | 24 100 01–S | 2 | Nut–Plastic |
| 10 | 24 393 16–S | 1 | Pump–Fuel–Pulse |
| 11 | 52 112 13–S | 2 | Spacer |
| 12 | X–25–52–S | 2 | Washer–Plain |
| 13 | 24 393 16–S | 1 | Pump–Fuel, Pulse |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 14 | 24 086 31–S | 2 | Screw–Tap |
| 15 | 24 353 02–S | 1 | Line–Fuel |
| * | 24 757 01–S | 1 | Kit–Solenoid |
| * | 24 757 02–S | 1 | Kit–Float |
| * | 24 757 03–S | 1 | Kit–Repair, Carburetor |
| * | 24 757 07–S | 1 | Kit–Repair, Choke |
| * | 24 755 125–S | 1 | Kit–High Altitude with Gaskets |

* Not illustrated

**Obtain Parts From Kohler**

3326–950

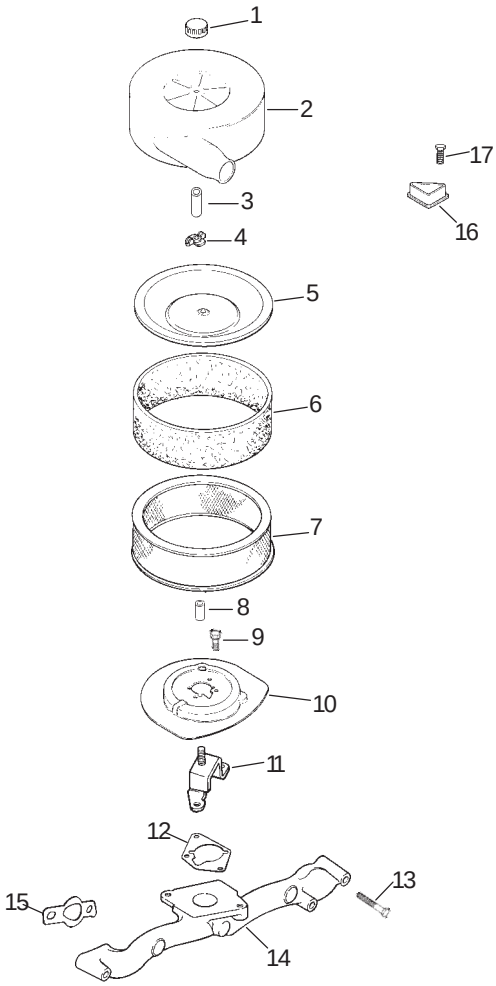



# Engine Controls Assembly
# Kohler Engine CH20QS–64678

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | M–547050–S | 1 | Nut–Hex |
| 2 | 24 089 03–S | 1 | Spring–Return, Choke |
| 3 | M–645016–S | 4 | Screw–HF |
| 4 | 24 126 56–S | 1 | Bracket–Control |
| 5 | X–20–1–S | 1 | Washer–Lock |
| 6 | M–541050–S | 1 | Nut–HF |
| 7 | 24 468 01–S | 3 | Washer–Plain |
| 8 | 24 090 07–S | 1 | Lever–Actuator, Throttle |
| 9 | 12 237 01–S | 2 | Clamp–Cable |
| 10 | M–545016–S | 3 | Screw–HF |
| 11 | 24 090 03–S | 1 | Lever–Control, Throttle |
| 12 | M–446030–S | 1 | Nut–HF |
| 13 | M–401030–S | 1 | Screw–HF |
| 14 | 24 079 02–S | 1 | Linkage–Choke |
| 15 | 24 090 05–S | 1 | Lever–Choke |
| 16 | 41 468 03–S | 1 | Washer–Spring |
| 17 | M–545020–S | 1 | Screw–HF |
| 18 | 24 089 51–S | 1 | Spring–Limiter, Throttle |
| 19 | 24 089 49–S | 1 | Spring–Governor |
| 20 | 24 211 03–S | 1 | Bolt |
| 21 | 24 090 33–S | 1 | Lever–Governor |
| 22 | M–641060–S | 1 | Nut–HF |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 23 | 25 158 11–S | 1 | Bushing–Retaining, Linkage |
| 24 | 24 089 01–S | 1 | Spring–Linkage |
| 25 | 25 158 08–S | 1 | Busing–Linkage, Throttle |
| 26 | 24 079 01–S | 1 | Linkage–Throttle |

**Obtain Parts From Kohler**

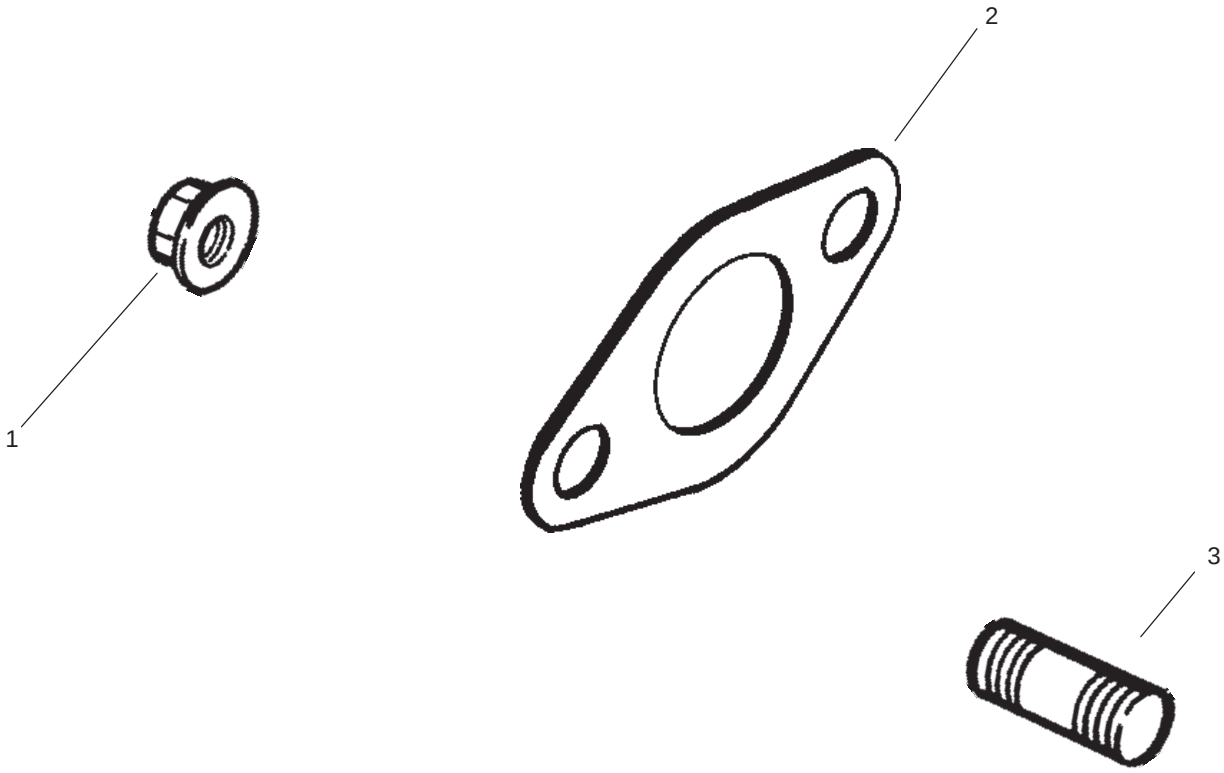



# Air Intake/Filtration Assembly
# Kohler Engine CH20QS–64678

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 12 341 01–S | 1 | Knob–Cover,Air Cleaner |
| 2 | 24 096 54–S | 1 | Cover–Cleaner, Air |
| 3 | 231032–S | 1 | Seal–Breather |
| 4 | 24 100 01–S | 1 | Nut–Wing |
| 5 | 24 096 01–S | 1 | Cover–Cleaner, Inner Air |
| 6 | 24 083 02–S | 1 | Element–Precleaner |
| 7 | 47 083 03–S | 1 | Element–Cleaner, Air |
| 8 | 230046–S | 1 | Seal–Breather |
| 9 | M–639016–S | 3 | Screw–HF |
| 10 | 24 126 54–S | 1 | Bracket–Cleaner, Air |
| 11 | 24 094 05–S | 1 | Base–Cleaner, Air |
| 12 | 24 041 06–S | 1 | Gasket–Base, Air Cleaner |
| 13 | 25 086 84–S | 4 | Screw–HF Intake |
| 14 | 24 164 14–S | 1 | Manifold–Intake |
| 15 | 24 041 01–S | 2 | Gasket–Manifold, Intake |
| 16 | 24 096 17–S | 2 | Cover–Housing, Blower |
| 17 | 25 086 91–S | 2 | Screw–Tapping |
| * | 24 431 01–S | 1 | Sleeve–Insulating |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| * | 24 113 14–S | 1 | Decal–Maintenance, Engine |

* Not illustrated
**Obtain Parts From Kohler**




# Exaust Assembly
# Kohler Engine CH20QS–64678

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | M–841080–S | 4 | Nut–HF |
| 2 | 24 041 02–S | 2 | Gasket–Exhaust |
| 3 | 25 072 04–S | 4 | Stud |
| * | 24 755 107–S | 1 | Gasket Set |
| * | 24 522 146 | 1 | Short Block |

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

* Not illustrated

**Obtain Parts From Kohler**

# Maintenance Record

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