Form No. 3328–753 REV A

# TX 425 Wide Track

## Dingo® Compact Utility Loader

**Model No. 22307—230000301 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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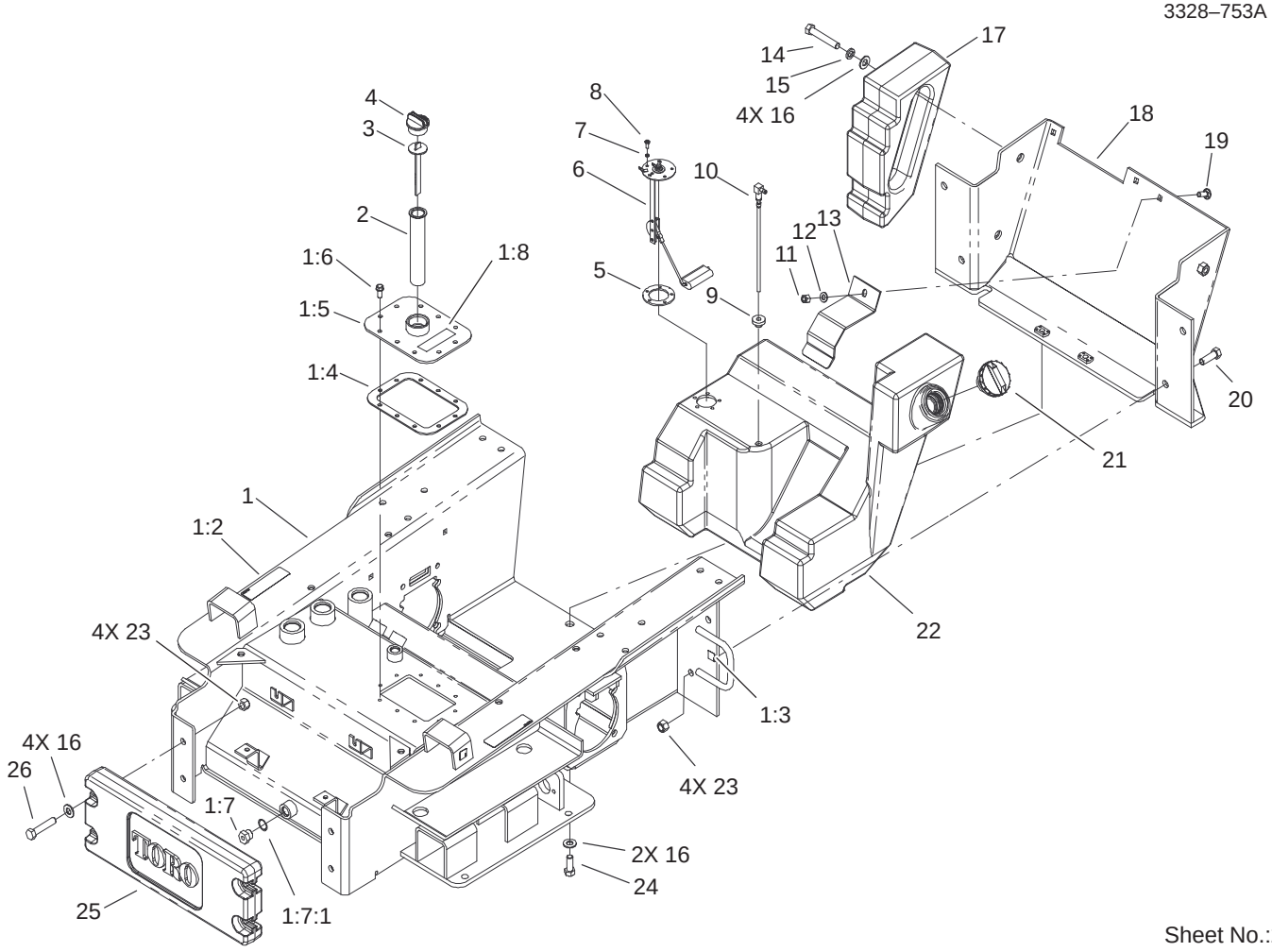
# Contents


| Description | Page |
|---|---|
| Main Frame and Fuel Tank Assembly | 3 |
| Track and Traction Assembly | 4 |
| Brake Assembly | 5 |
| Loader Tower and Drive Assembly | 6 |
| Traction Hydraulic Assembly | 7 |
| Hydraulic Wheel Motor Assembly No. 98–2767 | 9 |
| Left Hand Hydraulic Pump Assembly No. 98–8432 | 10 |
| Engine and Mount Assembly | 11 |
| Hydraulic Pump Assembly | 12 |
| Hydraulic Gear Pump Assembly No. 98–2752 | 14 |
| Control Panel Assembly | 15 |
| Traction Control Assembly | 17 |
| Principal Hydraulic Assembly | 18 |
| 2–Spool Valve Assembly No. 95–3536 | 20 |
| 1–Spool Valve Assembly No. 104–2831 | 21 |
| Loader Arm Assembly | 22 |
| Loader Arm Hydraulic Assembly | 23 |
| Lift Cylinder Assembly No. 99–6162 | 25 |
| Tilt Cylinder Assembly No. 95–3578 | 26 |
| Quick Attach Assembly | 27 |
| Electrical System Assembly | 28 |
| Grill Assembly | 29 |
| Hydraulic Oil Cooler Assembly | 30 |
| Hood Assembly | 31 |
| Rear Access Cover Assembly | 32 |
| Electrical Schematic | 33 |
| Hydraulic Schematic | 34 |
| Crankshaft Assembly Kohler CH25S–68688 | 35 |
| Crankcase Assembly Kohler CH25S–68688 | 36 |
| Oil Pan/Lubrication Assembly Kohler CH25S–68688 | 37 |
| Head/Valve/Breather Assembly Kohler CH25S–68688 | 38 |
| Ignition/Electrical Assembly Kohler CH25S–68688 | 39 |
| Blower Housing and Baffles Assembly Kohler CH25S–68688 | 40 |
| Starting System Assembly Kohler CH25S–68688 | 41 |
| Fuel System Assembly Kohler CH25S–68688 | 42 |
| Engine Controls Assembly Kohler CH25S–68688 | 43 |
| Air Intake and Filtration Assembly Kohler CH25S–68688 | 44 |
| Exhaust Assembly Kohler CH25S–68688 | 45 |


## 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 |
| 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 |

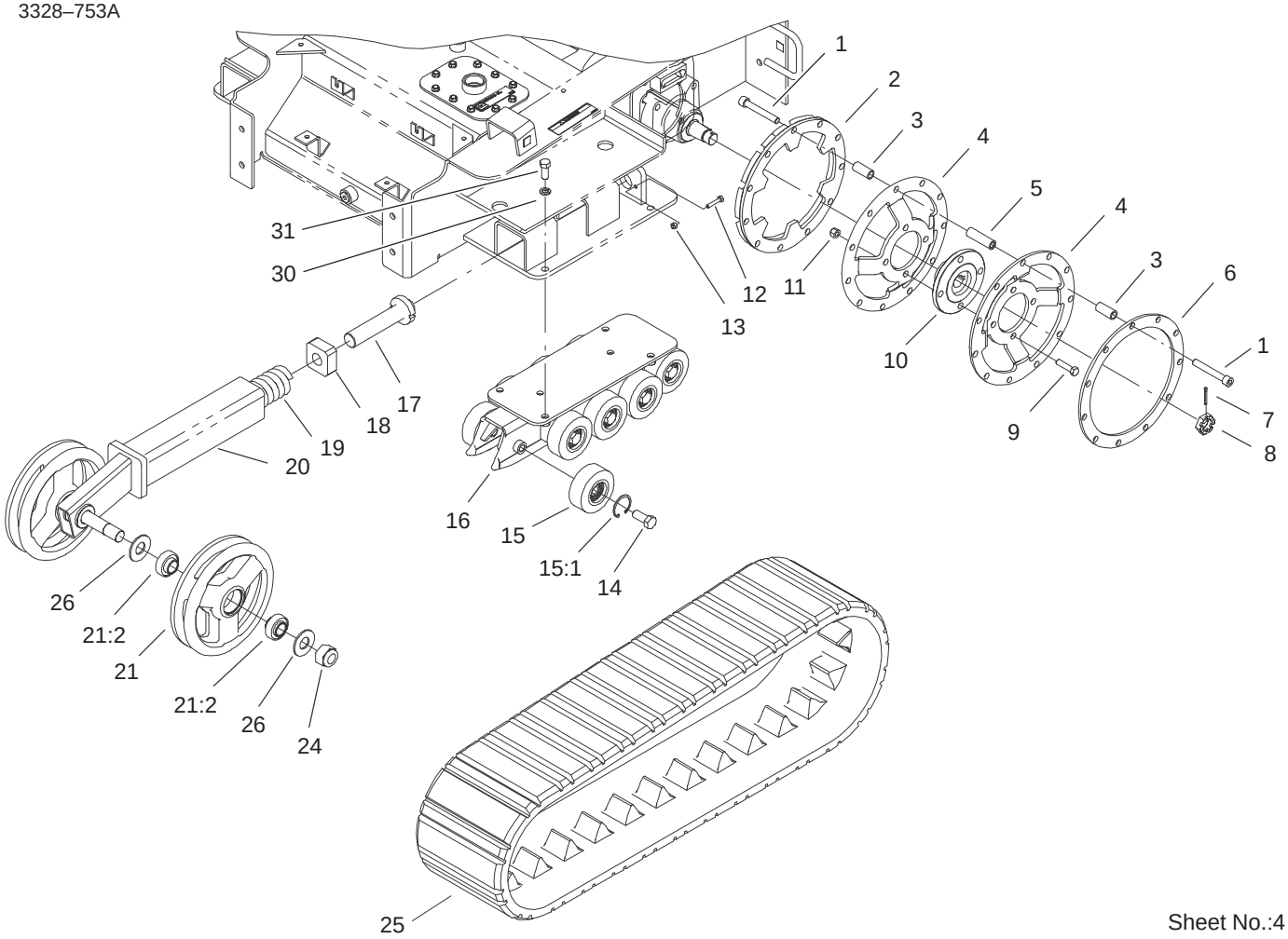



Sheet No.:2

# Main Frame and Fuel Tank Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 105–5890 | 1 | Chassis ASM |
| 1:2 | 100–6141 | 2 | Decal–Pinch |
| 1:3 | 93–9084 | 4 | Decal–Point, Lift |
| 1:4 | 100–1253 | 1 | Gasket–Cover, Access |
| 1:5 | 104–8389–01 | 1 | Tank Cover ASM |
| 1:6 | 98–9940 | 10 | Screw |
| 1:7 | 353–988 | 2 | Plug–Hex, Hollow |
| 1:7:1 | 237–79 | 1 | O–Ring |
| 1:8 | 105–8432 | 1 | Decal–Oil, Hydraulic |
| 2 | 61–2790 | 1 | Filter–Screen |
| 3 | 100–2097 | 1 | Dipstick–Oil |
| 4 | 93–7498 | 1 | Plug–Plastic |
| 5 | 113372 | 1 | Gasket–Sender, Fuel |
| 6 | 100–1298 | 1 | Sender–Fuel |
| 7 | 3253–17 | 5 | Washer–Lock/Sp |
| 8 | 3250–31 | 5 | Screw–PPH |
| 9 | 46–6560 | 1 | Bushing |
| 10 | 98–0185 | 1 | Pipe Stand ASM |
| 11 | 3296–39 | 1 | Nut–Lock, NI |
| 12 | 3256–38 | 1 | Washer–Flat |
| 13 | 100–1257–03 | 1 | Clamp–Tank, Fuel |
| 14 | 325–12 | 4 | Screw–HH |
| 15 | 3253–7 | 4 | Washer–Lock |
| 16 | 3256–26 | 10 | Washer–Flat |
| 17 | 99–6165–01 | 2 | Counterweight–Rear |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 18 | 105–0373–01 | 1 | Rear Frame Cover ASM |
| 19 | 3231–22 | 1 | Screw–CARR |
| 20 | 325–6 | 4 | Screw–HH |
| 21 | 93–3101 | 1 | Cap–Fuel |
| 22 | 95–3619 | 1 | Tank–Fuel |
| 23 | 3296–23 | 8 | Nut–Lock, NI |
| 24 | 325–5 | 2 | Screw–HH |
| 25 | 99–6166–01 | 1 | Counterweight–Front |
| 26 | 325–10 | 4 | Screw–HH |

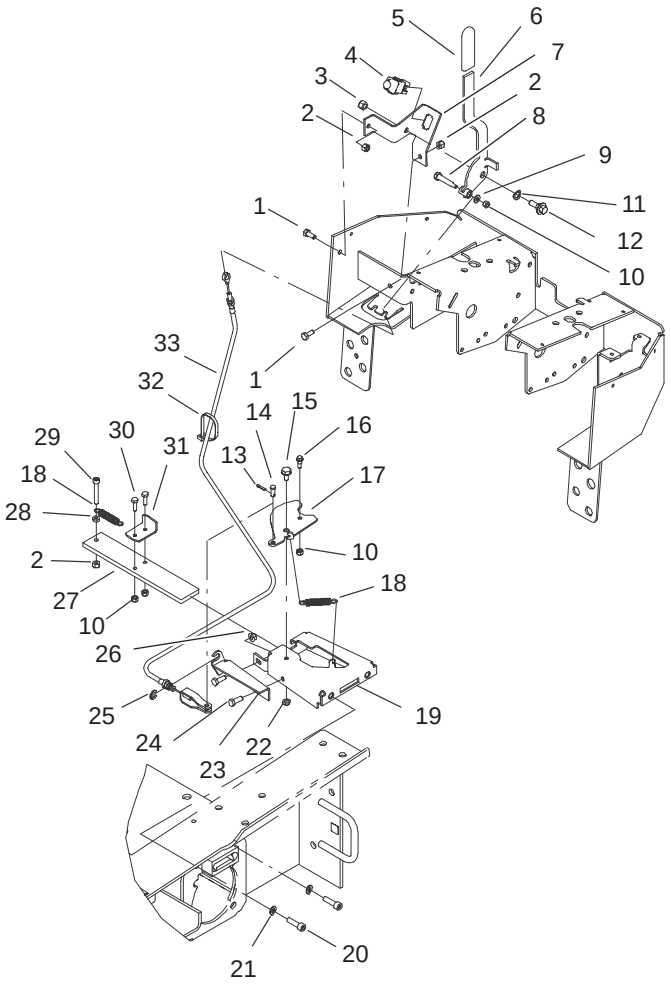



Sheet No.:4

# Track and Traction Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3274–100 | 44 | Screw–HSH |
| 2 | 106–7601–03 | 2 | Brake Rim ASM, |
| 3 | 100–8936 | 44 | Spacer–Wheel, Drive |
| 4 | 100–8935–03 | 4 | Drive Wheel ASM |
| 5 | 100–1286 | 22 | Spacer–Wheel, Drive |
| 6 | 99–6170–03 | 2 | Ring–Wheel, Drive |
| 7 | 99–3171 | 2 | Pin–Cotter |
| 8 | 99–3139 | 2 | Nut |
| 9 | 325–7 | 8 | Screw–HH |
| 10 | 104–5719–03 | 2 | Hub–Wheel, Drive |
| 11 | 3296–23 | 8 | Nut–Lock, NI |
| 12 | 321–13 | 2 | Screw–HH |
| 13 | 3296–42 | 2 | Nut–Lock, NI |
| 14 | 327–4 | 20 | Screw–HH |
| 15 | 99–6154 | 20 | Bogey Wheel ASM |
| 15:1 | 32120–62 | 1 | Ring–Retaining |
| 16 | 106–7596–03 | 2 | Track Guide ASM |
| 17 | 98–9846 | 2 | Bolt–Tensioner |
| 18 | 95–3626 | 2 | Block–Tensioning |
| 19 | 95–3624 | 2 | Spring–Compression |
| 20 | 104–6127–03 | 2 | Tensioner Arm ASM |
| 21 | 104–6123 | 4 | Tensioner Wheel ASM |
| 21:2 | 104–6129 | 2 | Bearing–Ball |
| 24 | 104–2024 | 4 | Nut–Lock |
| 25 | 100–8931 | 2 | Track |
| 26 | 104–6126 | 8 | Washer–Flat |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 30 | 3253–7 | 8 | Washer–Lock |
| 31 | 325–5 | 8 | Screw–HH |

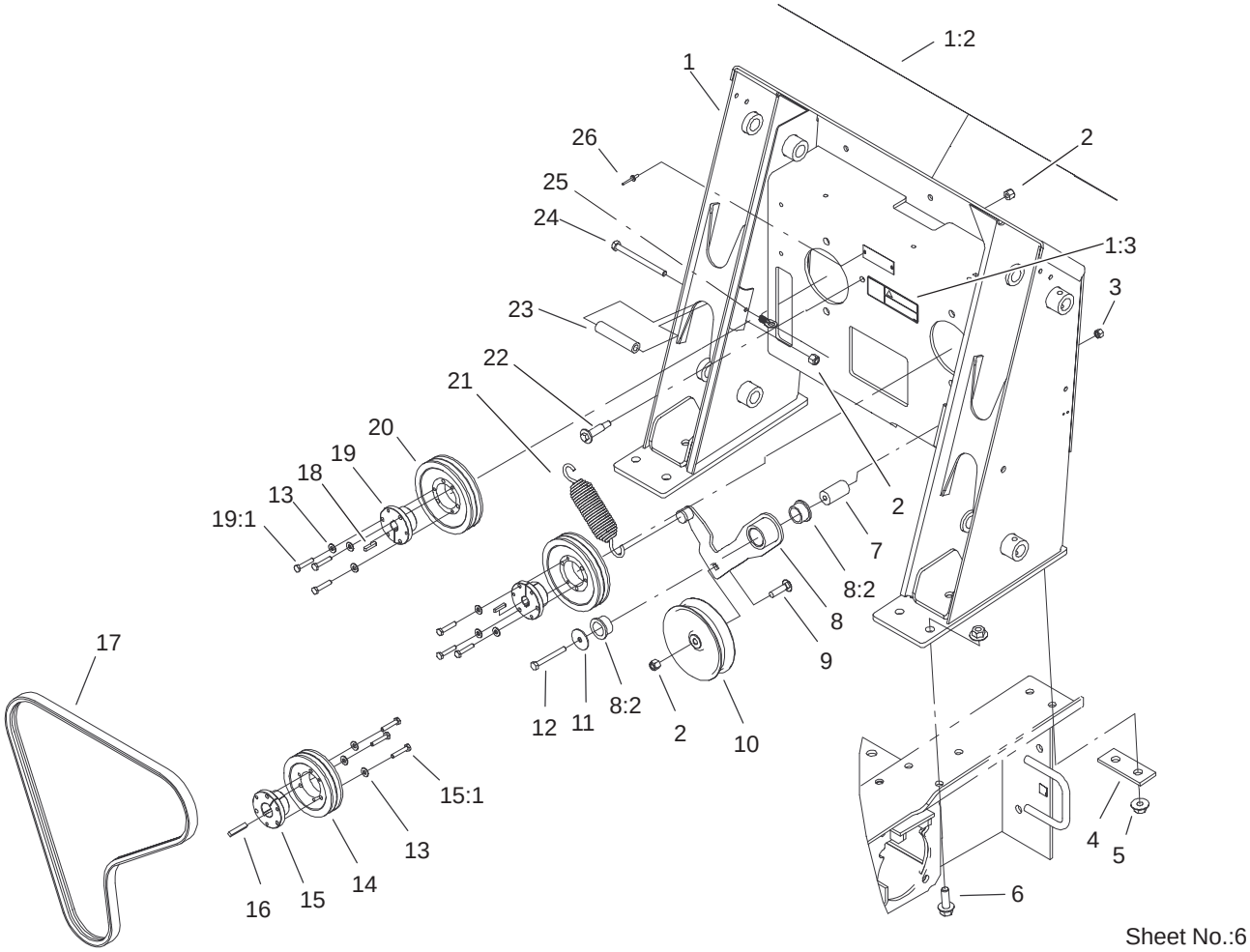



Sheet No.:5

# Brake Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 322–3 | 2 | Screw–HH |
| 2 | 3296–29 | 4 | Nut–Lock, NI |
| 3 | 3296–6 | 1 | Nut–Lock, NI |
| 4 | 100–1268 | 1 | Switch–Plunger |
| 5 | 62–9130 | 1 | Grip–Handle |
| 6 | 99–6151–03 | 1 | Brake Lever ASM |
| 7 | 105–5809–03 | 1 | Bracket–Switch |
| 8 | 611792 | 1 | Bolt–Shoulder |
| 9 | 3256–22 | 1 | Washer–Flat |
| 10 | 3296–42 | 7 | Nut–Lock, NI |
| 11 | 3290–221 | 1 | Washer–Spring |
| 12 | 93–2364 | 1 | Bolt–Shoulder |
| 13 | 3272–9 | 2 | Pin–Cotter |
| 14 | 283–62 | 2 | Pin–Clevis |
| 15 | 37–8771 | 2 | Bolt–Shoulder |
| 16 | 42–3560 | 2 | Bolt–Shoulder |
| 17 | 98–8443 | 2 | Lever–Brake |
| 18 | 87–4020 | 4 | Spring–Extension |
| 19 | 100–4200–03 | 2 | Brake Housing ASM |
| 20 | 3274–1 | 4 | Screw–HSH |
| 21 | 3253–5 | 4 | Washer–Lock |
| 22 | 3296–47 | 2 | Nut–Lock, NI |
| 23 | 98–8446–03 | 2 | Bracket–Cable, Brake |
| 24 | 322–4 | 4 | Screw–HH |
| 25 | 32151–43 | 2 | Ring–Clip |
| 26 | 32128–20 | 4 | Nut–HF |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 106–7550–03 | 2 | Plate–Brake |
| 28 | 3218–2 | 2 | Nut–Jam |
| 29 | 3274–86 | 2 | Screw–HSH |
| 30 | 321–5 | 4 | Screw–HH |
| 31 | 98–8448 | 2 | Stop–Brake |
| 32 | 3290–378 | 2 | Tie–Cable |
| 33 | 100–1283 | 2 | Cable–Brake |

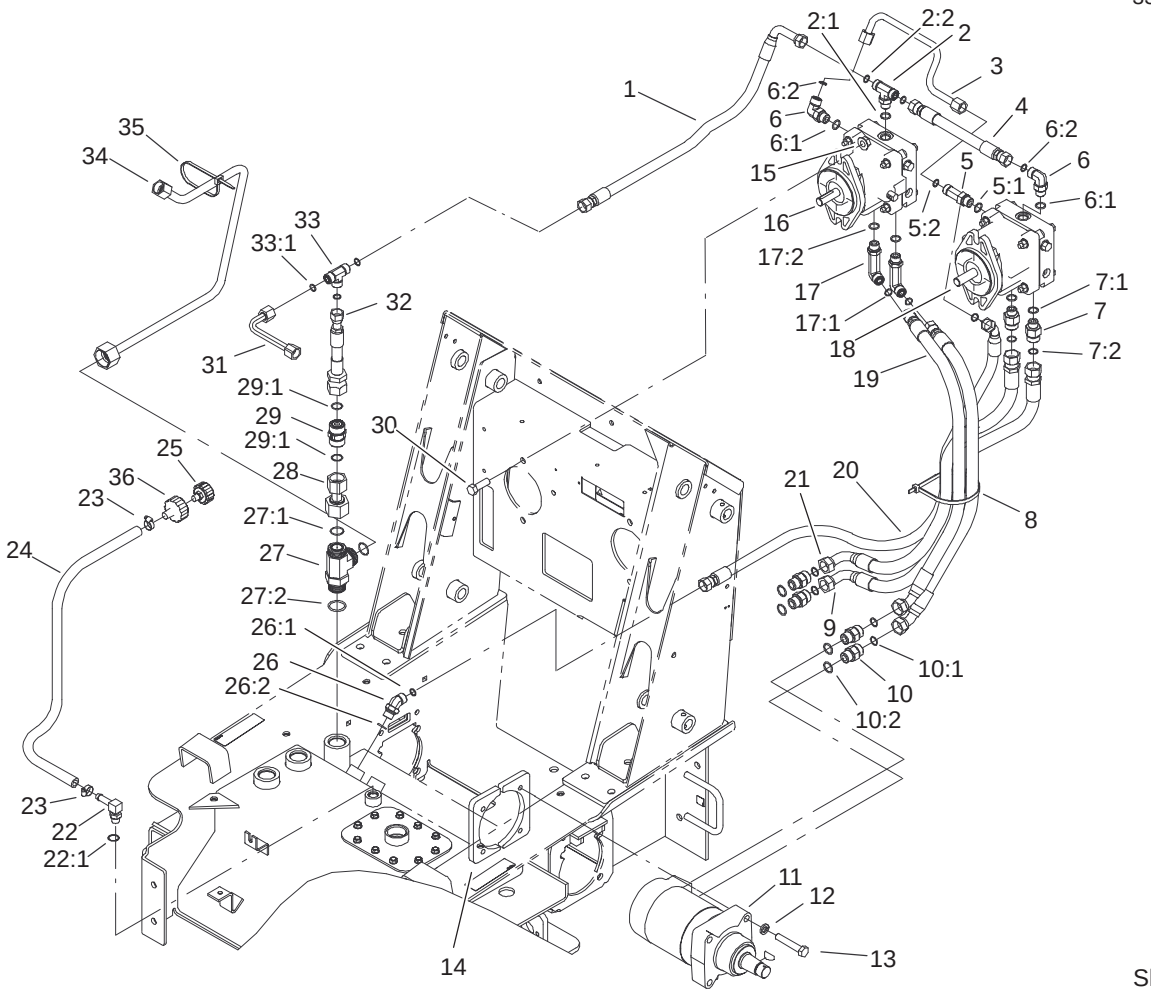



Sheet No.:6

# Loader Tower and Drive Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104–2843 | 1 | Loader Tower ASM |
| 1:2 | 104–2842 | 1 | Decal–Panel |
| 1:3 | 80–8040 | 1 | Decal–Warning |
| 2 | 3296–39 | 4 | Nut–Lock, NI |
| 3 | 3296–29 | 1 | Nut–Lock, NI |
| 4 | 100–6123–01 | 2 | Plate–Stiffener |
| 5 | 32128–52 | 10 | Locknut–Flange |
| 6 | 100–6116 | 10 | Screw–HHF |
| 7 | 104–5739 | 1 | Spacer–Mounting |
| 8 | 99–6167 | 1 | Idler Arm ASM |
| 8:2 | 256–132 | 2 | Bushing–Flange |
| 9 | 3231–26 | 1 | Screw–CARR |
| 10 | 95–3707 | 1 | Pulley–Idler |
| 11 | 3256–68 | 1 | Washer–Flat |
| 12 | 322–13 | 1 | Screw–HH |
| 13 | 3256–22 | 9 | Washer–Flat |
| 14 | 61–3330 | 1 | Pulley |
| 15 | 61–3340 | 1 | Bushing |
| 15:1 | 100–4208 | 3 | Screw–HH |
| 16 | 67–7490 | 1 | Key |
| 17 | 95–3611 | 1 | V–Belt |
| 18 | 80–6090 | 2 | Key–Pump |
| 19 | 100–4206 | 2 | Bushing |
| 19:1 | 100–4208 | 3 | Screw–HH |
| 20 | 100–4207 | 2 | Sheave |
| 21 | 105–0383 | 1 | Spring–Extension |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 22 | 56–6590 | 1 | Bolt–Wheel |
| 23 | 100–1271 | 2 | Tube–Spacer |
| 24 | 323–23 | 2 | Screw–HH |
| 25 | 95–4013 | 2 | Latch ASM |
| 26 | 3269–13 | 2 | Rivet–Pop |

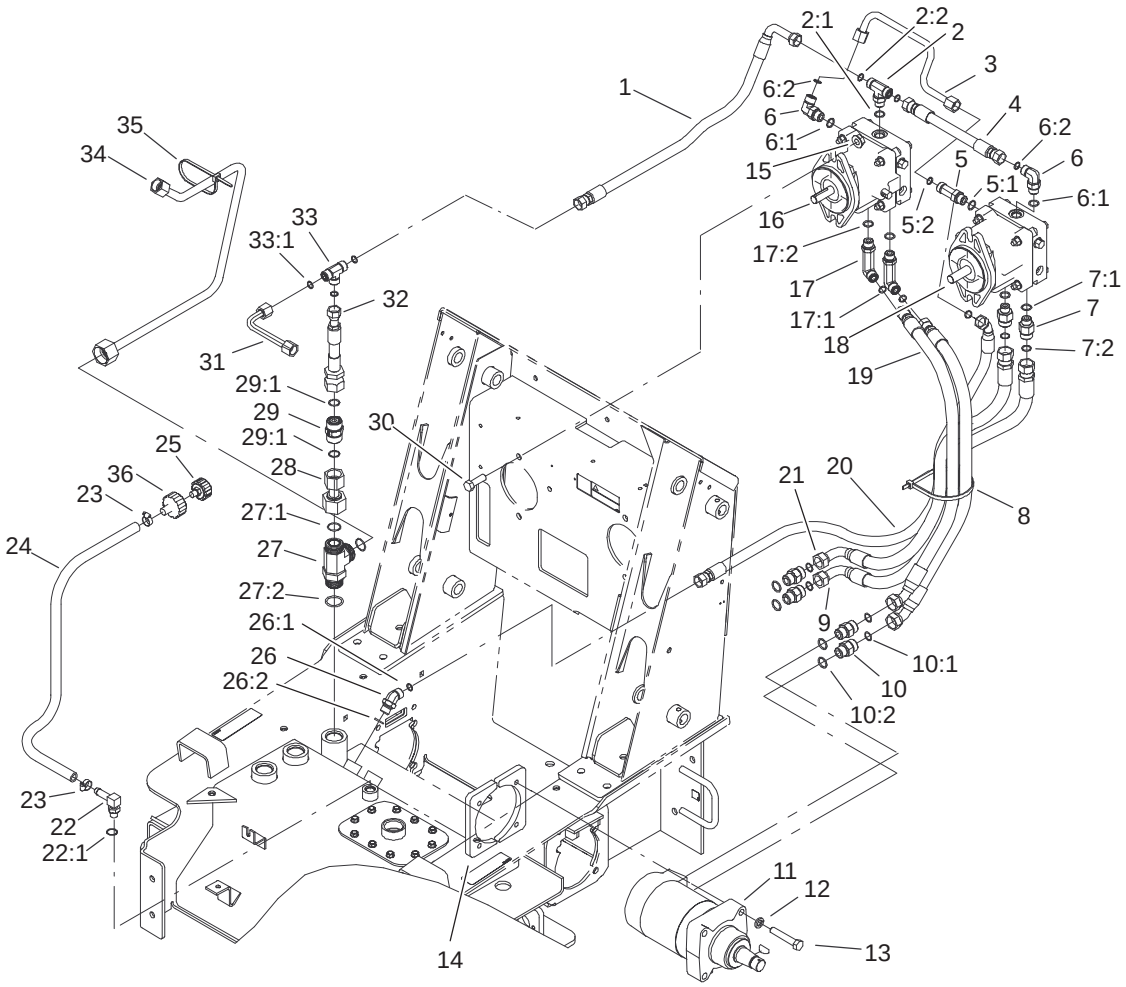



Sheet No.:7

# Traction Hydraulic Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 100–6130 | 1 | HYD Hose ASM |
| 2 | 340–157 | 1 | Fitting–HYD |
| 2:1 | 237–79 | 1 | O–Ring |
| 2:2 | 237–30 | 2 | O–Ring |
| 3 | 98–0200 | 1 | HYD Tube ASM |
| 4 | 95–3664 | 1 | HYD Hose ASM |
| 5 | 340–109 | 1 | Fitting–HYD, Tee |
| 5:1 | 237–79 | 1 | O–Ring |
| 5:2 | 237–30 | 2 | O–Ring |
| 6 | 340–98 | 2 | Fitting–HYD, 90° |
| 6:1 | 237–79 | 1 | O–Ring |
| 6:2 | 237–30 | 1 | O–Ring |
| 7 | 340–155 | 2 | Fitting–HYD |
| 7:1 | 237–79 | 1 | O–Ring |
| 7:2 | 237–151 | 1 | O–Ring |
| 8 | 3334–945 | 1 | Tie–Cable |
| 9 | 98–0235 | 1 | HYD Hose ASM |
| 10 | 340–7 | 4 | Adapter |
| 10:1 | 237–65 | 1 | O–Ring |
| 10:2 | 237–80 | 1 | O–Ring |
| 11 | 98–2767 | 2 | Motor–Wheel, HYD |
| 12 | 3253–7 | 8 | Washer–Lock |
| 13 | 325–11 | 8 | Screw–HH |
| 14 | 98–2763–03 | 4 | Plate–Mounting, Wheelmotor |
| 15 | 32128–23 | 4 | Nut–HF |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 16 | 98–8431 | 1 | Pump–HYD, RH |
| 17 | 99–6160 | 2 | Fitting–Elbow, 90° |
| 17:1 | 237–30 | 1 | O–Ring |
| 17:2 | 237–79 | 1 | O–Ring |
| 18 | 98–8432 | 1 | Pump–HYD, LH |
| 19 | 98–0233 | 2 | HYD Hose ASM |
| 20 | 98–0201 | 1 | HYD Hose ASM |
| 21 | 98–0177 | 1 | HYD Hose ASM |
| 22 | 354–120 | 1 | Fitting–HYD, 90° |
| 22:1 | 237–79 | 1 | O–Ring |
| 23 | 2412–36 | 2 | Clamp–Hose |
| 24 | 98–2708 | 1 | Hose–Vent |
| 25 | 68–6150 | 1 | Breather |
| 26 | 340–101 | 1 | Fitting–HYD, 90° |
| 26:1 | 237–30 | 1 | O–Ring |
| 26:2 | 237–79 | 1 | O–Ring |
| 27 | 104–3795 | 1 | Fitting–Tee, HYD |
| 27:1 | 340–65 | 2 | O–Ring |
| 27:2 | 237–146 | 1 | O–Ring |
| 28 | 105–0226 | 1 | HYD Tube ASM |
| 29 | 99–6161 | 1 | Valve–Check, HYD |
| 29:1 | 237–58 | 2 | O–Ring |
| 30 | 325–6 | 4 | Screw–HH |
| 31 | 95–3517 | 1 | HYD Tube ASM |
| 32 | 105–0225 | 1 | HYD Hose ASM |
| 33 | 340–102 | 1 | Adapter |

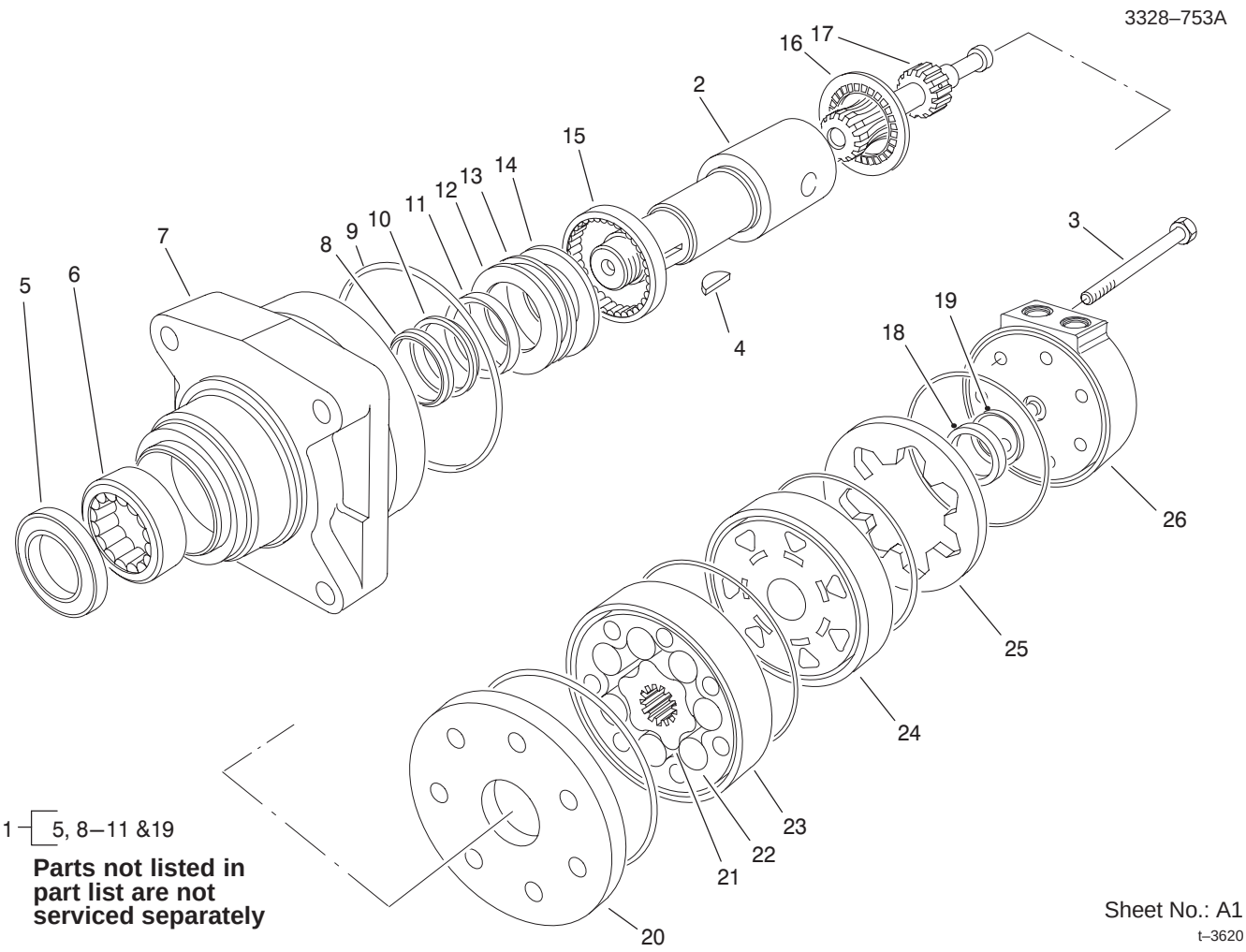



Sheet No.:7

# Traction Hydraulic Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 33:1 | 237–30 | 3 | O–Ring |
| 34 | 104–5706 | 1 | HYD Tube ASM |
| 35 | 3290–378 | 1 | Tie–Cable |
| 36 | 92–8020 | 1 | Adapter–Breather |

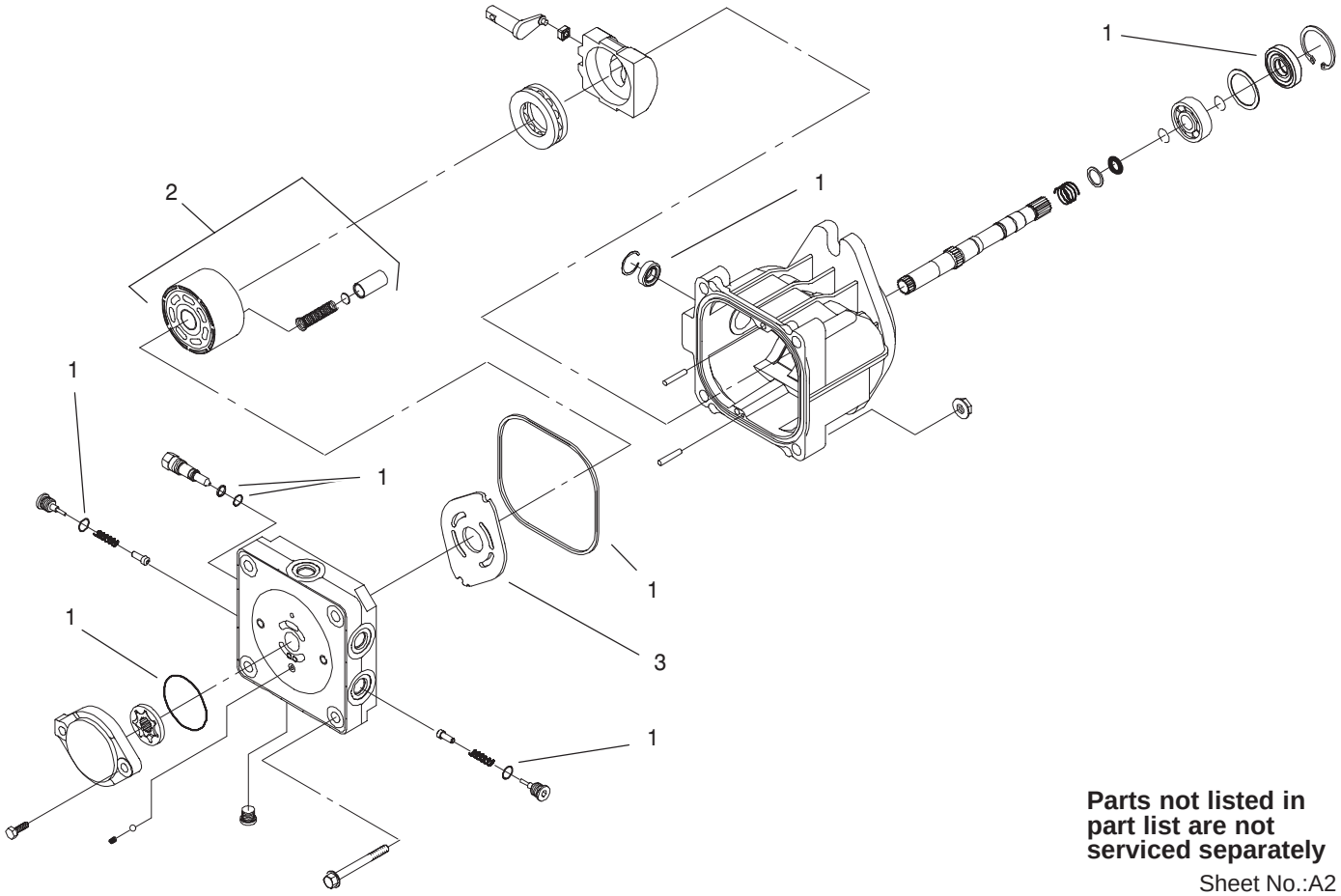
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|




# Hydraulic Wheel Motor Assembly No. 98–2767

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 100–6131 | 1 | Seal Kit |
| 2 | 99–3090 | 1 | Coupling–Shaft |
| 3 | 100–4241 | 7 | Screw–HH |
| 4 | 3257–42 | 1 | Key–Woodruff |

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




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

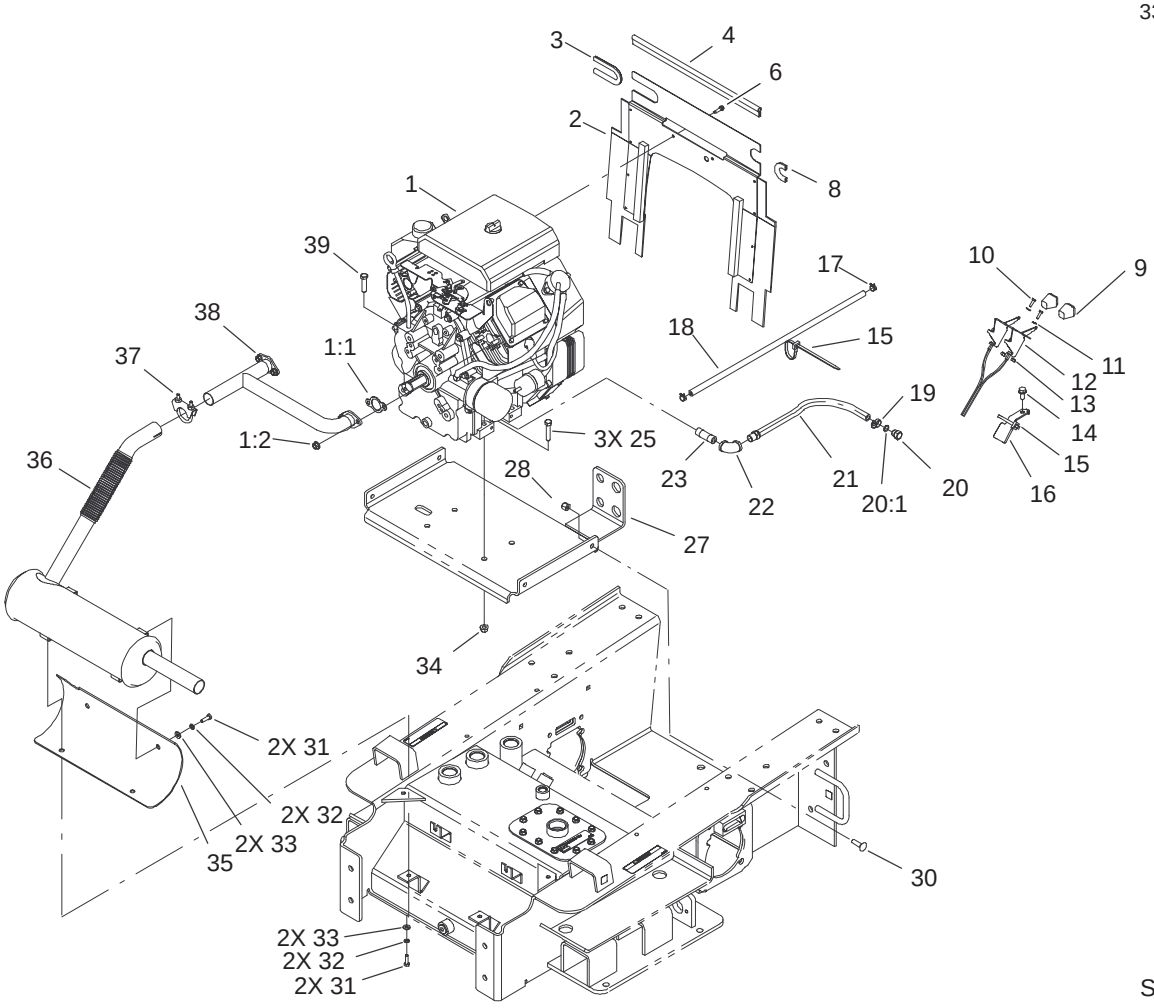
Sheet No.:A2

t–3617

# Left Hand Hydraulic Pump Assembly No. 98–8432

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 100–6110 | 1 | Overhaul Seal Kit |
| 2 | 94–1913 | 1 | Cylinder Block ASM |
| 3 | 100–6112 | 1 | Plate–Valve |

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



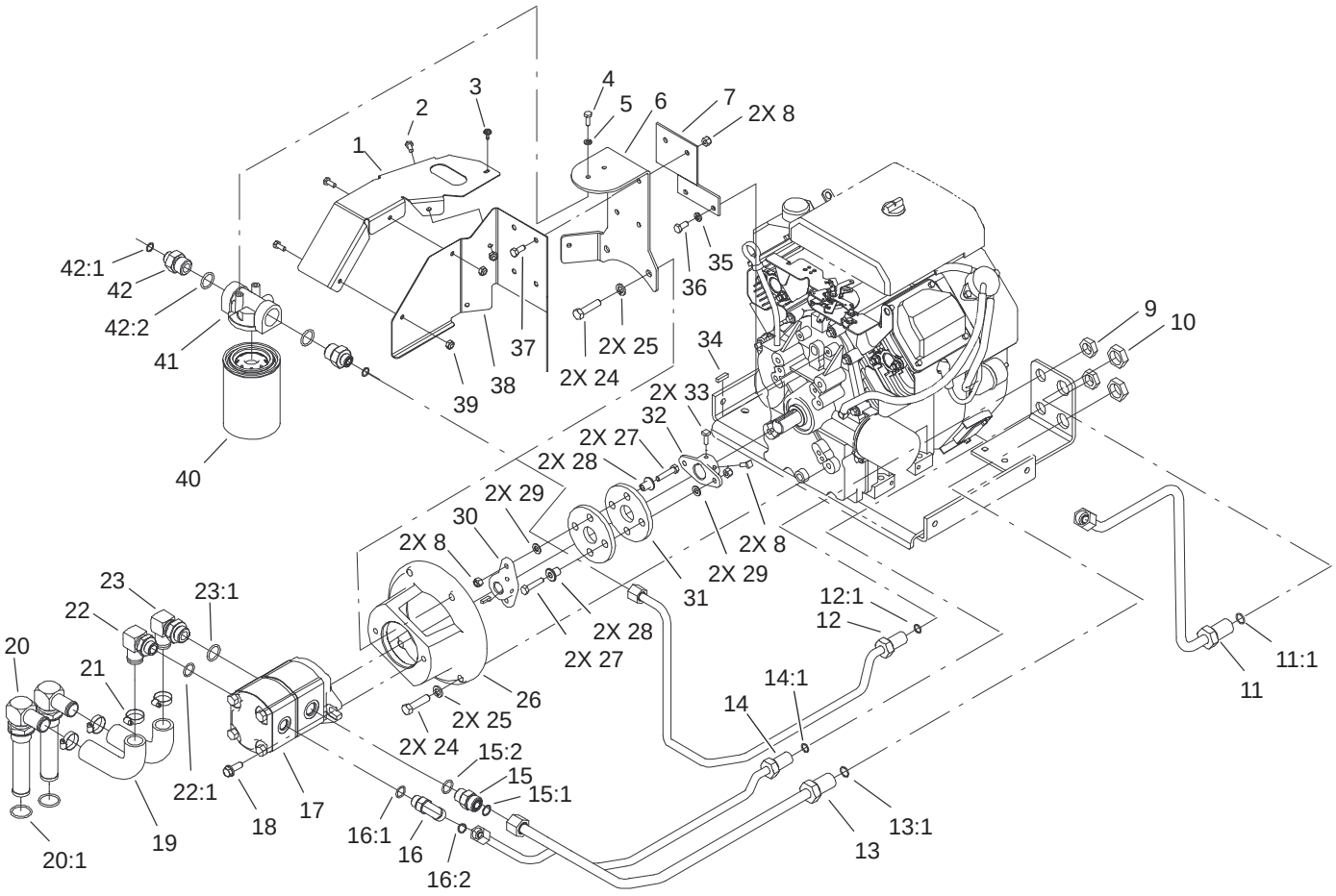

Sheet No.:9

# Engine and Mount Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| ☆1 | | 1 | Engine–Kohler, Ch25s–68688 |
| 1:1 | 93–0350 | 2 | Gasket–Exhaust |
| 1:2 | 92–6780 | 4 | Nut–HF |
| 2 | 106–5748 | 1 | Engine Baffle ASM |
| 3 | 105–0378 | 1 | Seal–Strip, 6.5” |
| 4 | 106–5749 | 1 | Seal–Strip, 16” |
| 6 | 27–0220 | 2 | Screw–Special |
| 8 | 105–0377 | 1 | Seal–Strip, 3” |
| 9 | 66–0120 | 2 | Knob |
| 10 | 3290–134 | 4 | Screw |
| 11 | 3256–21 | 4 | Washer–Flat |
| 12 | 99–6173 | 2 | Cable–Throttle |
| 13 | 3296–2 | 4 | Nut–Lock |
| 14 | 32144–70 | 1 | Screw–HH |
| 15 | 3290–378 | 2 | Tie–Cable |
| 16 | 100–1299–03 | 1 | Guide–Cable |
| 17 | 2412–98 | 2 | Clamp |
| 18 | 105–0376 | 1 | Hose–Fuel |
| 19 | 2412–119 | 1 | Clamp–Worm |
| 20 | 353–508 | 1 | Plug |
| 20:1 | 237–42 | 1 | O–Ring |
| 21 | 100–1256 | 1 | Oil Hose ASM |
| 22 | 94–9650 | 1 | Elbow–90° |
| 23 | 289–42 | 1 | Nipple |
| 25 | 323–9 | 3 | Screw–HH |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 99–6175–03 | 1 | Engine Mounting Plate ASM |
| 28 | 3296–39 | 4 | Nut–Lock, NI |
| 30 | 3231–28 | 4 | Screw–CARR |
| 31 | 321–5 | 4 | Screw–HH |
| 32 | 3253–3 | 4 | Washer–Lock |
| 33 | 3256–22 | 4 | Washer–Flat |
| 34 | 32128–21 | 4 | Nut–HF |
| 35 | 98–2762 | 1 | Shield–Heat, Muffler |
| 36 | 105–0249 | 1 | Muffler |
| 37 | 2112–11 | 1 | Clamp–Muffler |
| 38 | 98–2761 | 1 | Manifold–Crossover |
| 39 | 323–8 | 1 | Screw–HH |

☆ Not serviced separately

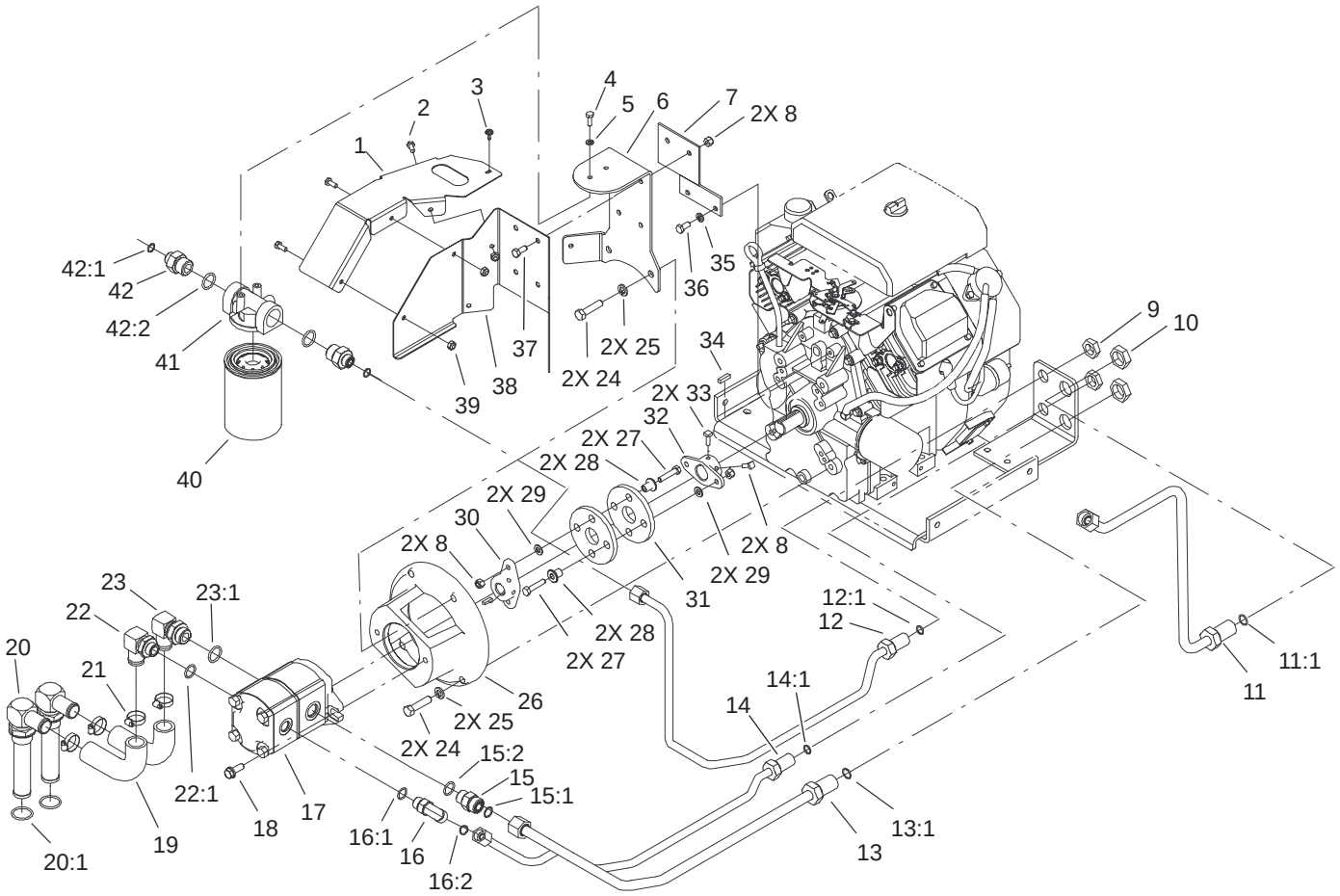



Sheet No.:10

# Hydraulic Pump Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104–9960 | 1 | Shield–Heat |
| 2 | 321–39 | 4 | Screw–HH |
| 3 | 12–5450 | 1 | Screw |
| 4 | 321–4 | 2 | Screw–HH |
| 5 | 3253–3 | 2 | Washer–Lock |
| 6 | 99–6172–03 | 1 | Bracket–Support, Oil Filter |
| 7 | 99–6171–03 | 1 | Bracket–Support, Oil Filter |
| 8 | 3296–29 | 8 | Nut–Lock, NI |
| 9 | 340–127 | 2 | Nut–Bulkhead |
| 10 | 340–74 | 2 | Locknut–Bulkhead |
| 11 | 104–5705 | 1 | HYD Tube ASM |
| 11:1 | 237–65 | 1 | O–Ring |
| 12 | 98–2780 | 1 | HYD Tube ASM |
| 12:1 | 237–30 | 1 | O–Ring |
| 13 | 98–2783 | 1 | HYD Tube ASM |
| 13:1 | 237–65 | 1 | O–Ring |
| 14 | 98–2781 | 1 | HYD Tube ASM |
| 14:1 | 237–30 | 1 | O–Ring |
| 15 | 340–7 | 1 | Adapter |
| 15:1 | 237–65 | 1 | O–Ring |
| 15:2 | 237–80 | 1 | O–Ring |
| 16 | 340–98 | 1 | Fitting–HYD, 90° |
| 16:1 | 237–79 | 1 | O–Ring |
| 16:2 | 237–30 | 1 | O–Ring |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 17 | 98–2752 | 1 | Pump–Gear, HYD |
| 18 | 66–9300 | 2 | Screw–HF |
| 19 | 105–0201 | 2 | Hose–Suction, Formed |
| 20 | 105–0204 | 2 | Strainer Fitting ASM |
| 20:1 | 237–146 | 1 | O–Ring |
| 21 | 2412–34 | 4 | Clamp–Hose |
| 22 | 61–2710 | 1 | Stem–Hose, 90° |
| 22:1 | 237–117 | 1 | O–Ring |
| 23 | 100–4202 | 1 | Fitting–90° |
| 23:1 | 237–81 | 1 | O–Ring |
| 24 | 324–7 | 4 | Screw–HH |
| 25 | 3253–6 | 4 | Washer–Lock |
| 26 | 98–2751 | 1 | Mount–Pump |
| 27 | 322–7 | 4 | Screw–HH |
| 28 | 71–4411 | 4 | Spacer |
| 29 | 3256–23 | 4 | Washer–Flat |
| 30 | 49–9600 | 1 | Hub–Pump |
| 31 | 44–2230 | 2 | Coupling–Rubber |
| 32 | 27–1960 | 1 | Hub–Engine |
| 33 | 3241–6 | 4 | Screw–SQH |
| 34 | 10–7070 | 1 | Key–Square |
| 35 | 3253–4 | 2 | Washer–Lock |
| 36 | 33114–020 | 2 | Screw–HH |
| 37 | 322–3 | 4 | Screw–HH |
| 38 | 100–6114 | 1 | Shield–Heat, Filter |



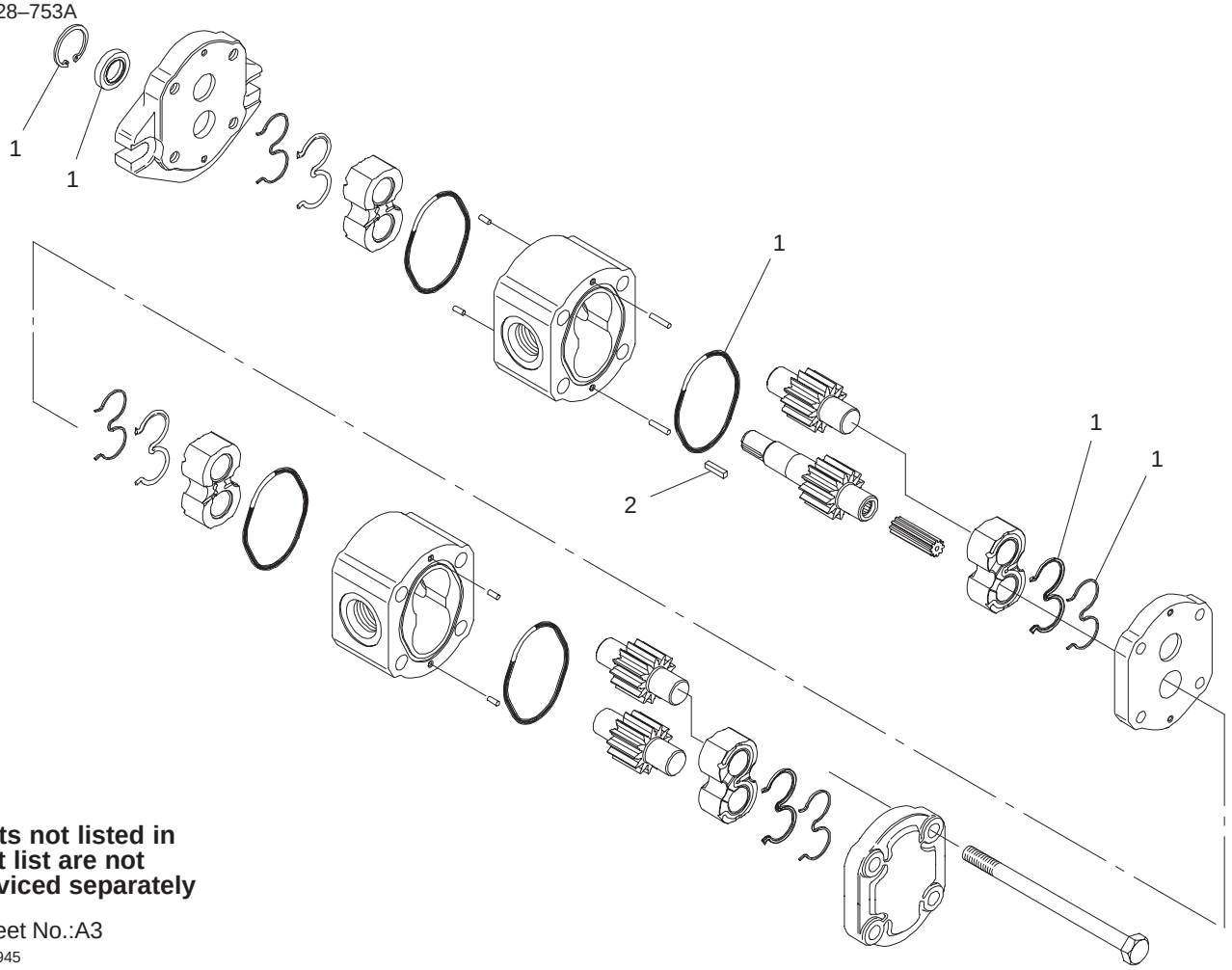

Sheet No.:10

# Hydraulic Pump Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 39 | 3296–16 | 4 | Nut–Lock, NI |
| 40 | 86–3010 | 2 | Filter–Oil, Transmission |
| 41 | 92–5821 | 1 | Filter Head ASM |
| 42 | 100–4240 | 2 | Fitting–Adapter |
| 42:1 | 237–30 | 1 | O–Ring |
| 42:2 | 237–81 | 1 | O–Ring |

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

3328–753A




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

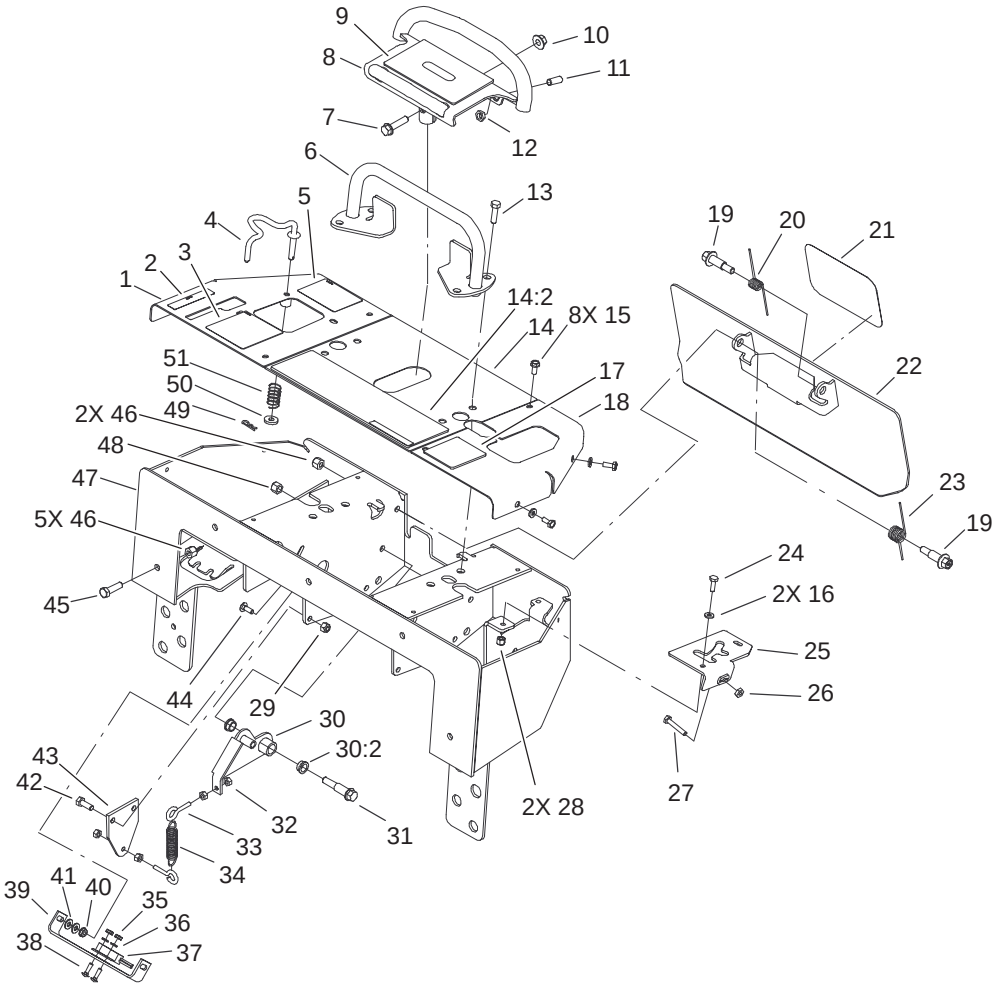
Sheet No.:A3

C–2945

# Hydraulic Gear Pump Assembly No. 98–2752

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 100–4237 | 1 | Kit–Seal, Pump |
| 2 | 100–4238 | 1 | Key–Square |

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

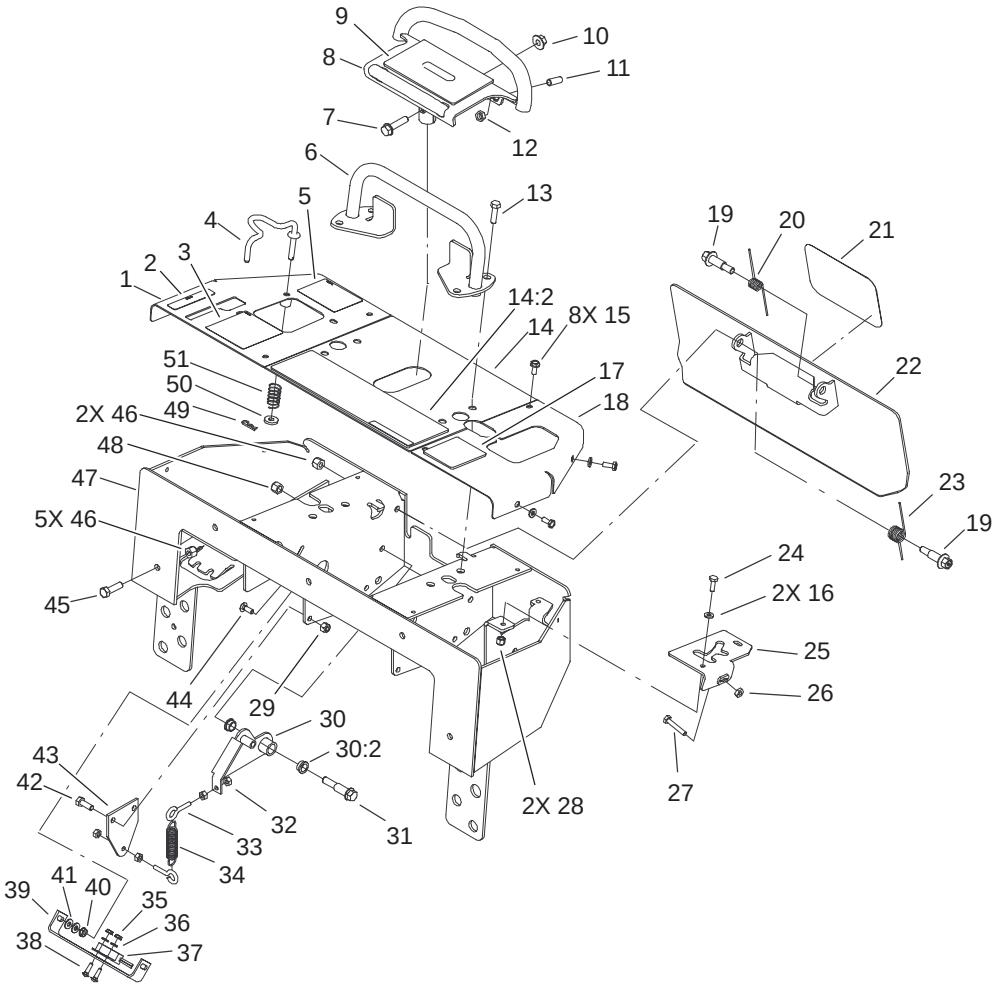



Sheet No.:11

# Control Panel Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 105–5824–01 | 1 | RH Panel ASM |
| 2 | 104–2838 | 1 | Decal–Brake |
| 3 | 104–2837 | 1 | Decal–Loader |
| 4 | 104–2833 | 1 | Rod–Interlock |
| 5 | 104–2844 | 1 | Decal–Interlock |
| 6 | 98–8400–03 | 1 | Reference Bar ASM |
| 7 | 3234–18 | 1 | Screw–HHF |
| 8 | 104–9970–03 | 1 | Control Handle ASM |
| 9 | 100–6138 | 1 | Decal–Traction |
| 10 | 32128–43 | 1 | Nut–Flange |
| 11 | 3247–6 | 2 | Screw–Set |
| 12 | 3218–3 | 2 | Nut–Jam |
| 13 | 322–16 | 4 | Screw–HH |
| 14 | 100–6144 | 1 | Center Panel ASM |
| 14:2 | 100–6140 | 1 | Decal–Danger |
| 15 | 32144–44 | 8 | Screw–HWH |
| 16 | 3256–16 | 2 | Washer–Flat |
| 17 | 100–6136 | 1 | Decal–Auxilary |
| 18 | 98–8428–01 | 1 | Panel–LH |
| 19 | 62–1330 | 2 | Bolt–Shoulder |
| 20 | 98–8424 | 1 | Spring–Torsion, RH |
| 21 | 105–1217 | 1 | Decal–Toro |
| 22 | 98–8417–03 | 1 | Reverse Plate ASM |
| 23 | 98–8425 | 1 | Spring–Torsion, LH |
| 24 | 321–4 | 2 | Screw–HH |
| 25 | 100–6126–01 | 1 | Auxiliary Stop ASM |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 26 | 3218–1 | 1 | Nut–Jam |
| 27 | 321–9 | 1 | Screw–HH |
| 28 | 3296–8 | 2 | Nut–Lock, NI |
| 29 | 3296–29 | 2 | Nut–Lock, NI |
| 30 | 100–4203 | 1 | Neutral Centering Lever ASM |
| 30:2 | 256–156 | 2 | Bushing–Flange |
| 31 | 66–0560 | 1 | Bolt–Shoulder |
| 32 | 3217–5 | 4 | Nut–Hex |
| 33 | 71–2870 | 2 | Bolt–Eye |
| 34 | 105–1210 | 1 | Spring–Extension |
| 35 | 32149–7 | 2 | Nut–Keps |
| 36 | 3256–51 | 2 | Washer–Flat |
| 37 | 100–1270 | 1 | Switch–Proximity |
| 38 | 3229–20 | 2 | Screw–CARR |
| 39 | 100–1263 | 1 | Plate–Switch |
| 40 | 32149–2 | 2 | Nut |
| 41 | 3256–22 | 4 | Washer–Flat |
| 42 | 322–4 | 2 | Screw–HH |
| 43 | 100–1261–03 | 1 | Bracket–Spring |
| 44 | 3229–1 | 2 | Screw–CARR |
| 45 | 323–7 | 5 | Screw–HH |
| 46 | 3296–39 | 7 | Nut–Lock, NI |
| 47 | 95–3540–01 | 1 | Control Panel ASM |
| 48 | 3296–6 | 1 | Nut–Lock, NI |
| 49 | 3290–307 | 1 | Pin–Hair |

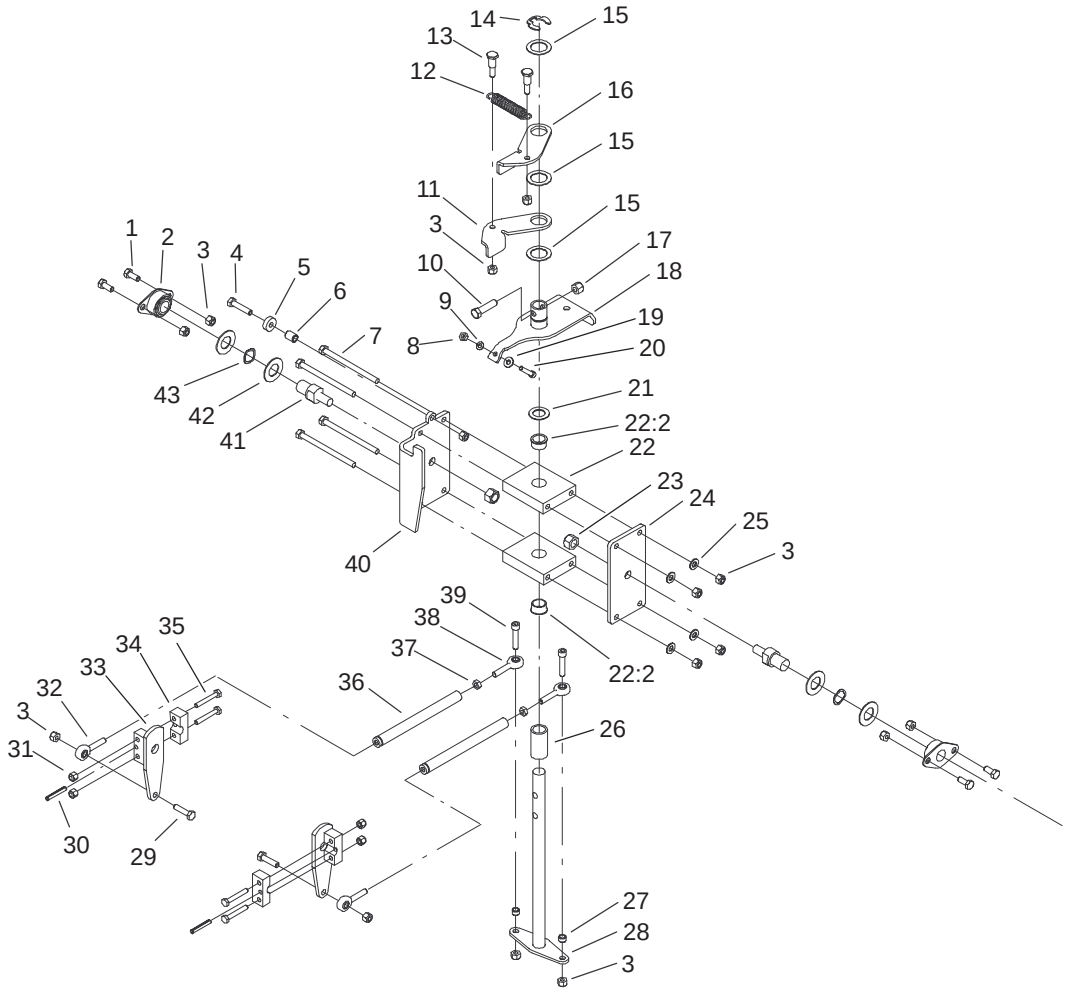



Sheet No.:11

# Control Panel Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 50 | 88–7200 | 1 | Washer–Flat |
| 51 | 85–6750 | 1 | Spring–Control |

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

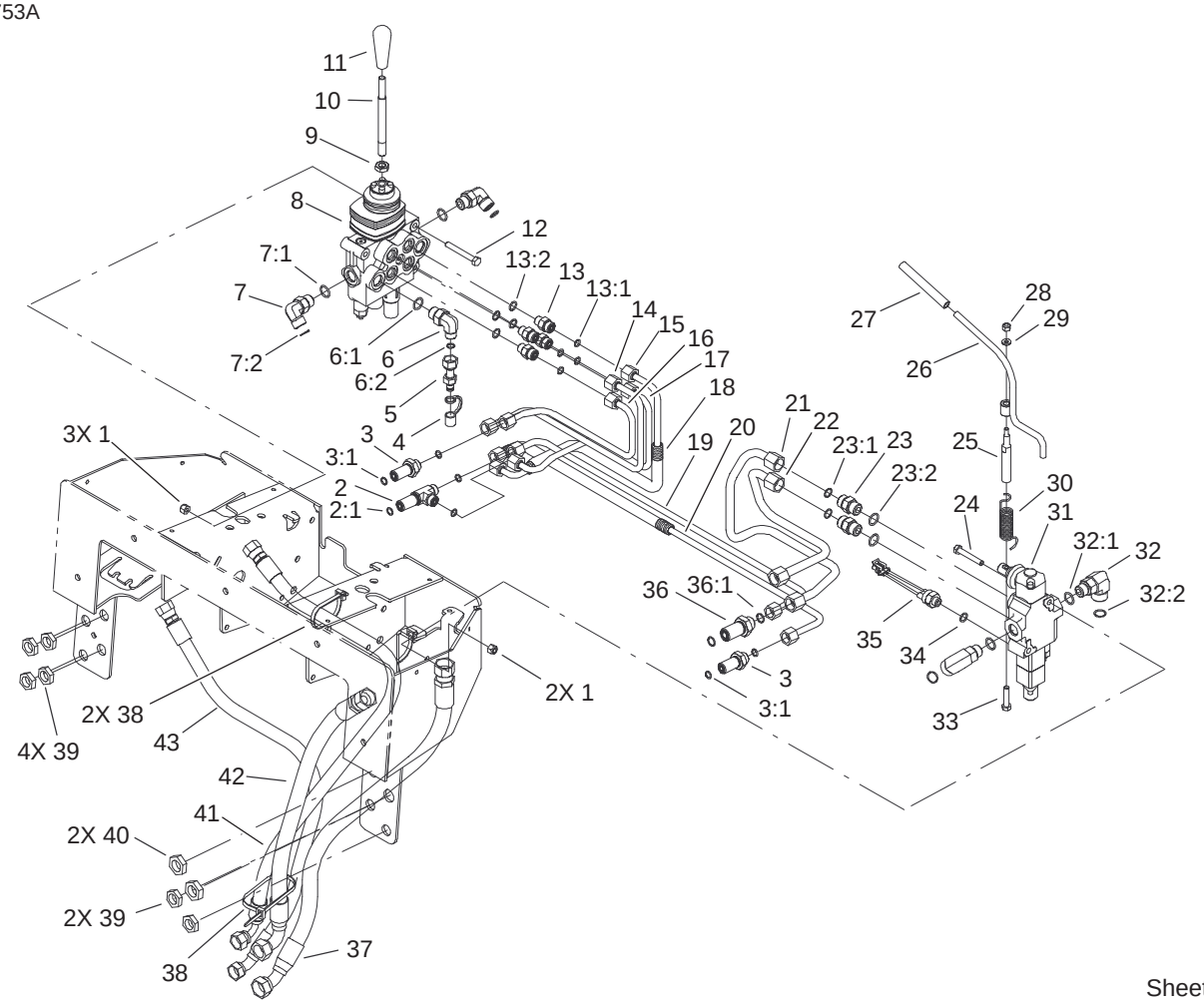



Sheet No.:12

# Traction Control Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 322–3 | 4 | Screw–HH |
| 2 | 68–2970 | 2 | Bushing |
| 3 | 3296–29 | 15 | Nut–Lock, NI |
| 4 | 322–7 | 1 | Screw–HH |
| 5 | 251–259 | 1 | Bearing |
| 6 | 88–7450 | 1 | Spacer–Lever, Control |
| 7 | 322–38 | 4 | Screw–HH |
| 8 | 3217–5 | 1 | Nut–Hex |
| 9 | 3253–3 | 1 | Washer–Lock |
| 10 | 323–8 | 1 | Screw–HH |
| 11 | 98–8407 | 1 | Lever–Return, RH |
| 12 | 105–1210 | 1 | Spring–Extension |
| 13 | 63–2650 | 2 | Screw–Shoulder |
| 14 | 32151–91 | 1 | Ring–Retaining |
| 15 | 3256–42 | 3 | Washer–Flat |
| 16 | 98–8408 | 1 | Lever–Return, LH |
| 17 | 3296–39 | 1 | Nut–Lock, NI |
| 18 | 104–9968 | 1 | Pivot Lever ASM |
| 19 | 3256–22 | 1 | Washer–Flat |
| 20 | 3274–51 | 1 | Screw–HSH |
| 21 | 257–8 | 1 | Washer–Thrust |
| 22 | 104–9972 | 2 | Bearing Support Block ASM |
| 22:2 | 256–252 | 1 | Bearing–Flange |
| 23 | 3296–23 | 2 | Nut–Lock, NI |
| 24 | 104–9975–03 | 1 | Bracket–Pivot, LH |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 25 | 3256–23 | 4 | Washer–Flat |
| 26 | 104–9974 | 1 | Spacer–Pivot, Rod |
| 27 | 92–3133 | 2 | Spacer–Lever, Traction |
| 28 | 98–8411 | 1 | Drive Rod ASM |
| 29 | 322–6 | 2 | Screw–HH |
| 30 | 100–6148 | 2 | Pin–Spring, Metric |
| 31 | 3296–8 | 4 | Nut–Lock, NI |
| 32 | 2411–53 | 2 | Bearing–Rod End, LH |
| 33 | 98–8433 | 2 | Pump Lever ASM |
| 34 | 98–8434 | 2 | Clamp–Traction |
| 35 | 321–10 | 4 | Screw–HH |
| 36 | 95–3711 | 2 | Rod–Linkage |
| 37 | 3220–2 | 2 | Nut |
| 38 | 2411–52 | 2 | Bearing–Rod End, RH |
| 39 | 3274–83 | 2 | Screw–HSH |
| 40 | 104–9976–03 | 1 | Bracket–Pivot, RH |
| 41 | 95–3684 | 2 | Shaft–Arm, Pivot |
| 42 | 3256–39 | 6 | Washer–Flat |
| 43 | 95–3703 | 2 | Washer–Spring, Wave |

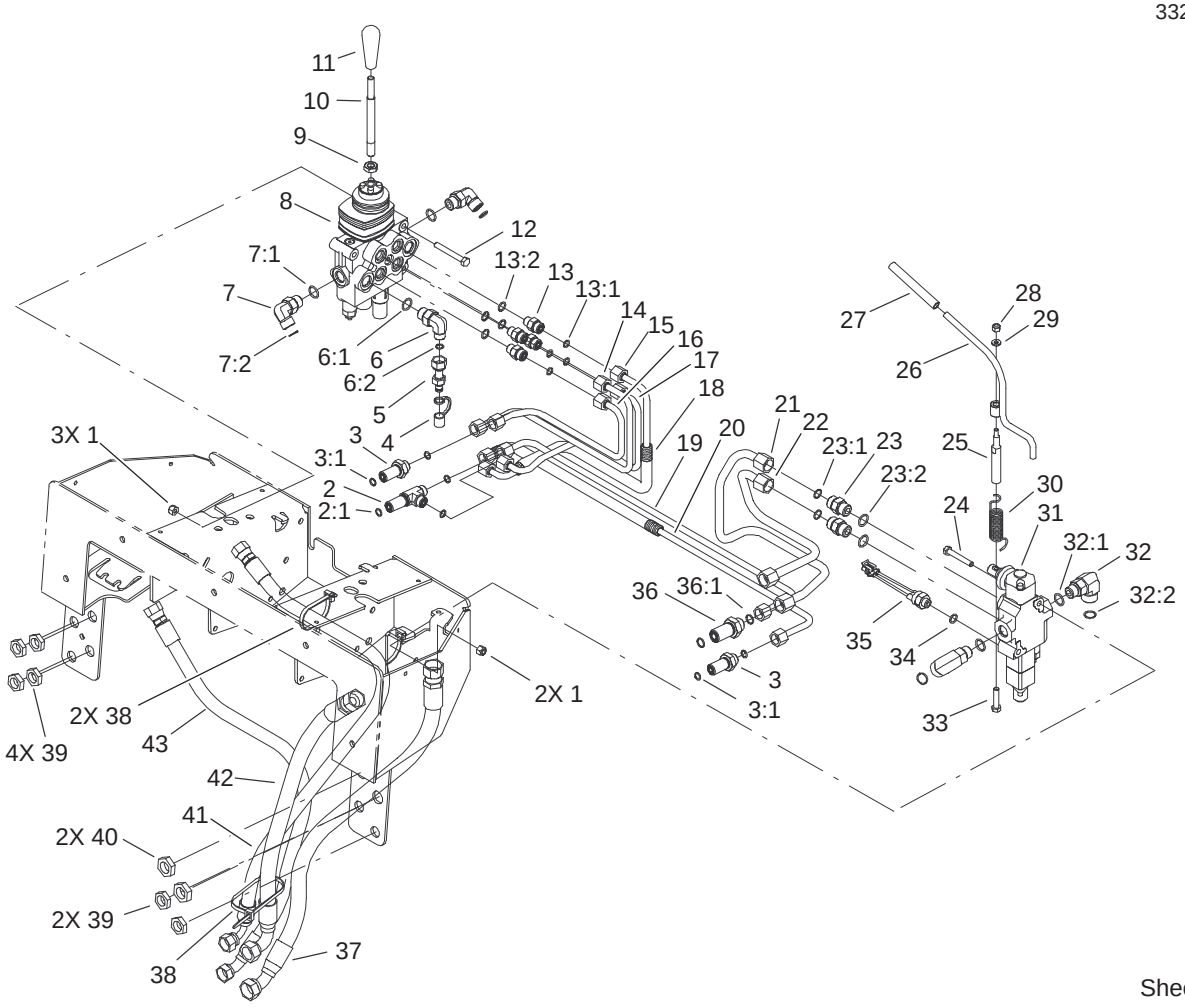



Sheet No.:13

# Principal Hydraulic Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3296–29 | 5 | Nut–Lock, NI |
| 2 | 340–68 | 2 | Fitting–Tee, Bulkhead |
| 2:1 | 237–22 | 3 | O–Ring |
| 3 | 340–71 | 4 | Fitting–Straight, Bulkhead |
| 3:1 | 237–22 | 2 | O–Ring |
| 4 | 354–79 | 1 | Cap–Dust |
| 5 | 86–5480 | 1 | Nipple–Test |
| 6 | 340–18 | 1 | Fitting–HYD, 90° |
| 6:1 | 237–79 | 1 | O–Ring |
| 6:2 | 237–22 | 1 | O–Ring |
| 7 | 340–98 | 2 | Fitting–HYD, 90° |
| 7:1 | 237–79 | 1 | O–Ring |
| 7:2 | 237–30 | 1 | O–Ring |
| 8 | 95–3536 | 1 | Valve–2 Spool |
| 9 | 51–2070 | 1 | Nut |
| 10 | 95–3569 | 1 | Shaft–Handle, Lift/Tilt |
| 11 | 98–0152 | 1 | Knob–Tapered |
| 12 | 322–12 | 3 | Screw–HH |
| 13 | 340–2 | 4 | Fitting–Straight, HYD |
| 13:1 | 237–22 | 1 | O–Ring |
| 13:2 | 237–42 | 1 | O–Ring |
| 14 | 98–2788 | 1 | HYD Tube ASM |
| 15 | 98–2784 | 1 | HYD Tube ASM |
| 16 | 98–2789 | 1 | HYD Tube ASM |
| 17 | 98–2785 | 1 | HYD Tube ASM |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 18 | 100–1287 | 2 | Conduit–Convoluted |
| 19 | 98–2787 | 1 | HYD Tube ASM |
| 20 | 98–2786 | 1 | HYD Tube ASM |
| 21 | 98–2790 | 1 | HYD Tube ASM |
| 22 | 98–2791 | 1 | HYD Tube ASM |
| 23 | 340–4 | 2 | Adapter |
| 23:1 | 237–30 | 1 | O–Ring |
| 23:2 | 237–79 | 1 | O–Ring |
| 24 | 322–11 | 2 | Screw–HH |
| 25 | 104–2827 | 1 | Spacer–Hiflo |
| 26 | 100–4246 | 1 | Auxiliary Lever ASM |
| 27 | 92–6798 | 1 | Cap–Rod, Tilt |
| 28 | 3296–42 | 1 | Nut–Lock, NI |
| 29 | 3256–16 | 1 | Washer–Flat |
| 30 | 100–6129 | 1 | Spring–Torsion |
| 31 | 104–2831 | 1 | Valve–1 Spool |
| 32 | 340–153 | 2 | Fitting–HYD |
| 32:1 | 237–79 | 1 | O–Ring |
| 32:2 | 237–151 | 1 | O–Ring |
| 33 | 48–7740 | 1 | Screw |
| 34 | 237–42 | 1 | O–Ring |
| 35 | 72–4310 | 1 | Switch–Ball, N.c. |
| 36 | 340–161 | 2 | Fitting–Bulkhead |
| 36:1 | 237–30 | 2 | O–Ring |
| 37 | 104–5708 | 1 | HYD Tube ASM |
| 39 | 340–70 | 6 | Nut–Lock |



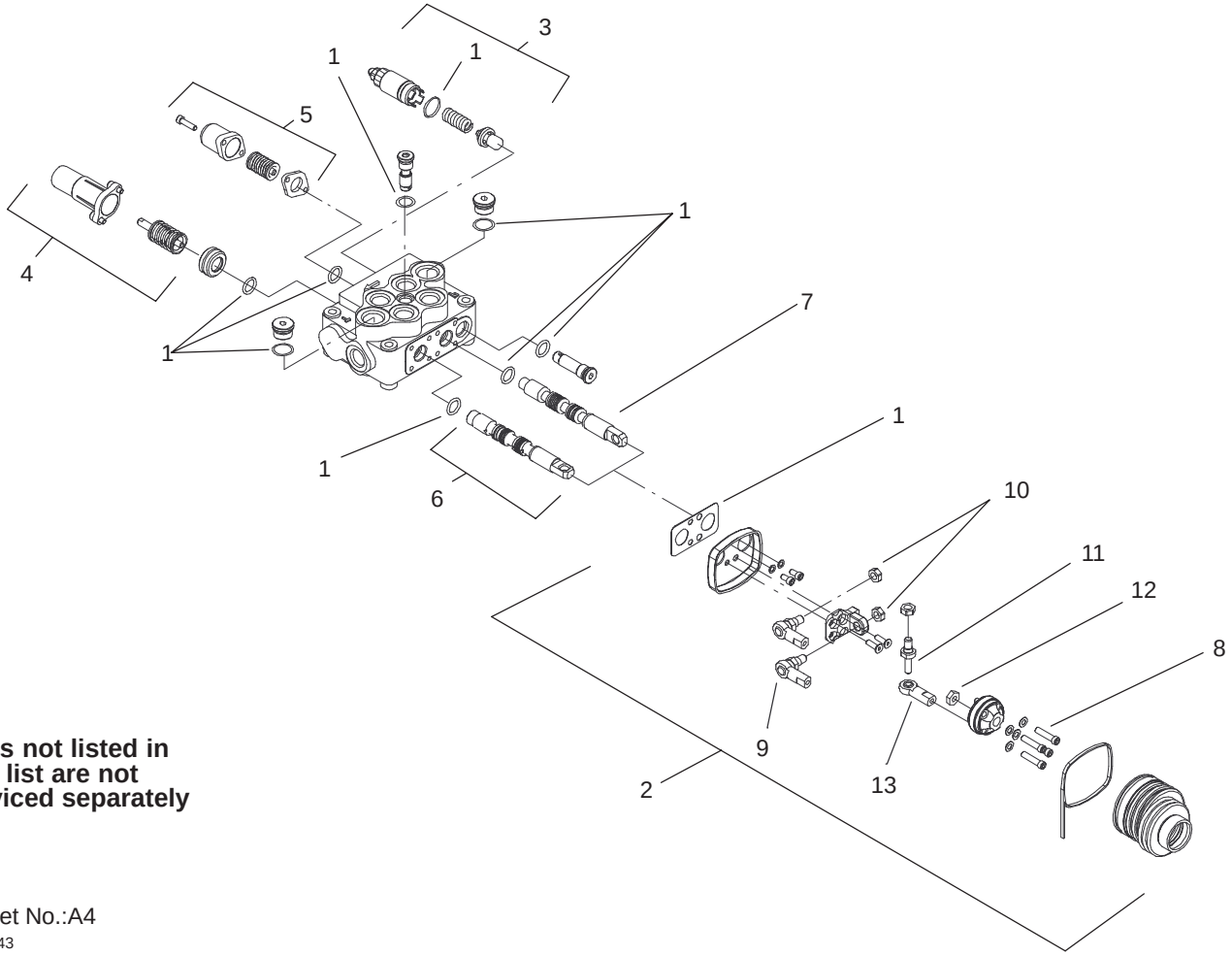

Sheet No.:13

# Principal Hydraulic Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 40 | 340–127 | 2 | Nut–Bulkhead |
| 41 | 104–5709 | 1 | HYD Tube ASM |
| 42 | 104–5707 | 1 | HYD Tube ASM |
| 43 | 104–5710 | 1 | HYD Tube ASM |

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

3328–753A



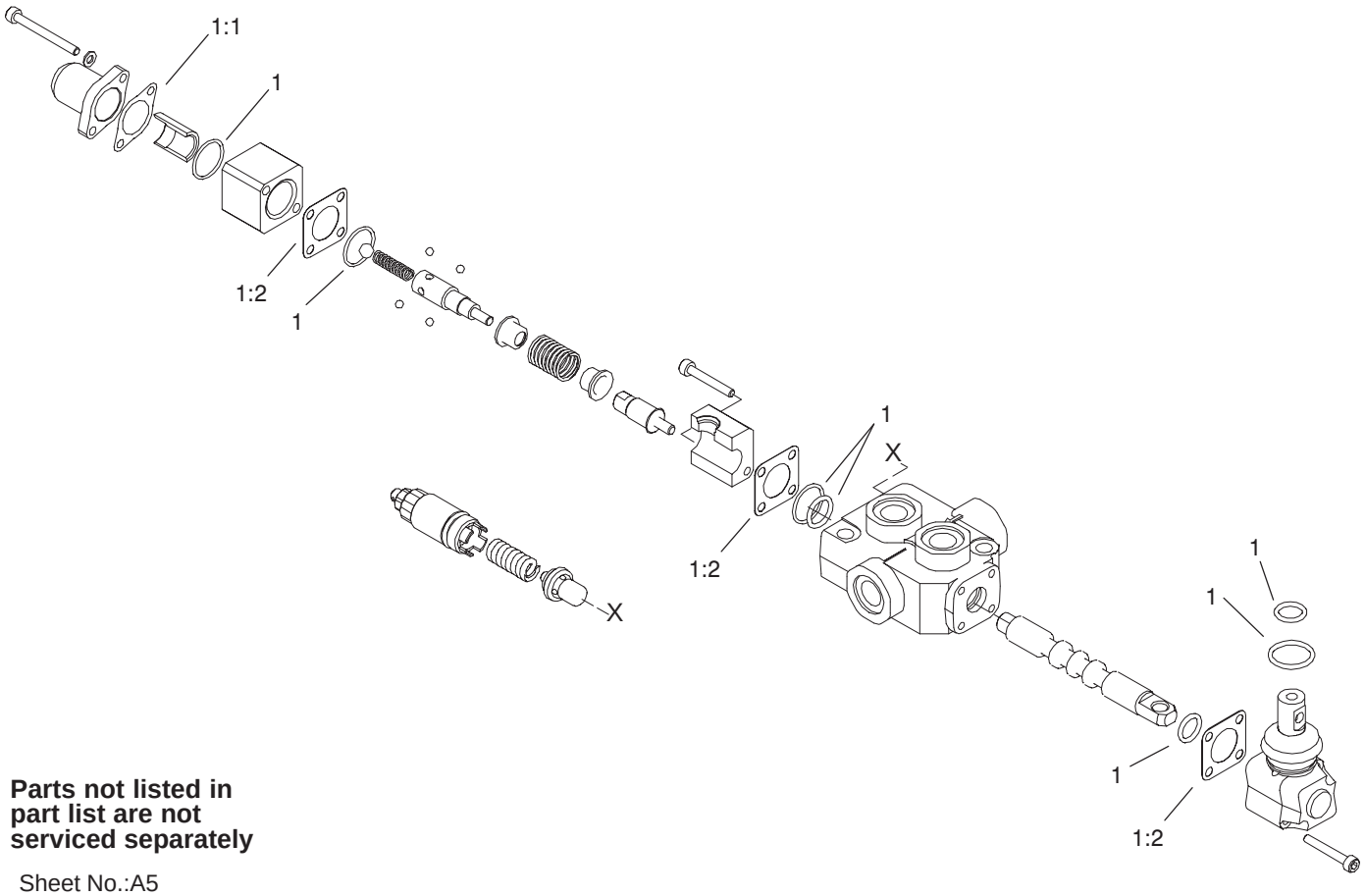

**Parts not listed in part list are not serviced separately**

Sheet No.:A4
C–3043

# 2–Spool Valve Assembly No. 95–3536

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 100–4249 | 1 | Seal Kit |
| 2 | 100–7230 | 1 | Kit–Joystick ASM |
| 3 | 100–8805 | 1 | Valve–Relief |
| 4 | 106–7569 | 1 | Kit–Spring, Valve |
| 5 | 106–7570 | 1 | Kit–Spring |
| 6 | 106–7571 | 1 | Spool |
| 7 | 106–7572 | 1 | Spool |
| 8 | 106–7573 | 4 | Screw–Joystick |
| 9 | 106–7574 | 2 | Joint–Articulated |
| 10 | 106–7575 | 3 | Nut–Joystick |
| 11 | 106–7576 | 1 | Pin–Joystick |
| 12 | 106–7577 | 1 | Nut–Galvanised |
| 13 | 106–7578 | 1 | End–Rod |

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




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

Sheet No.:A5

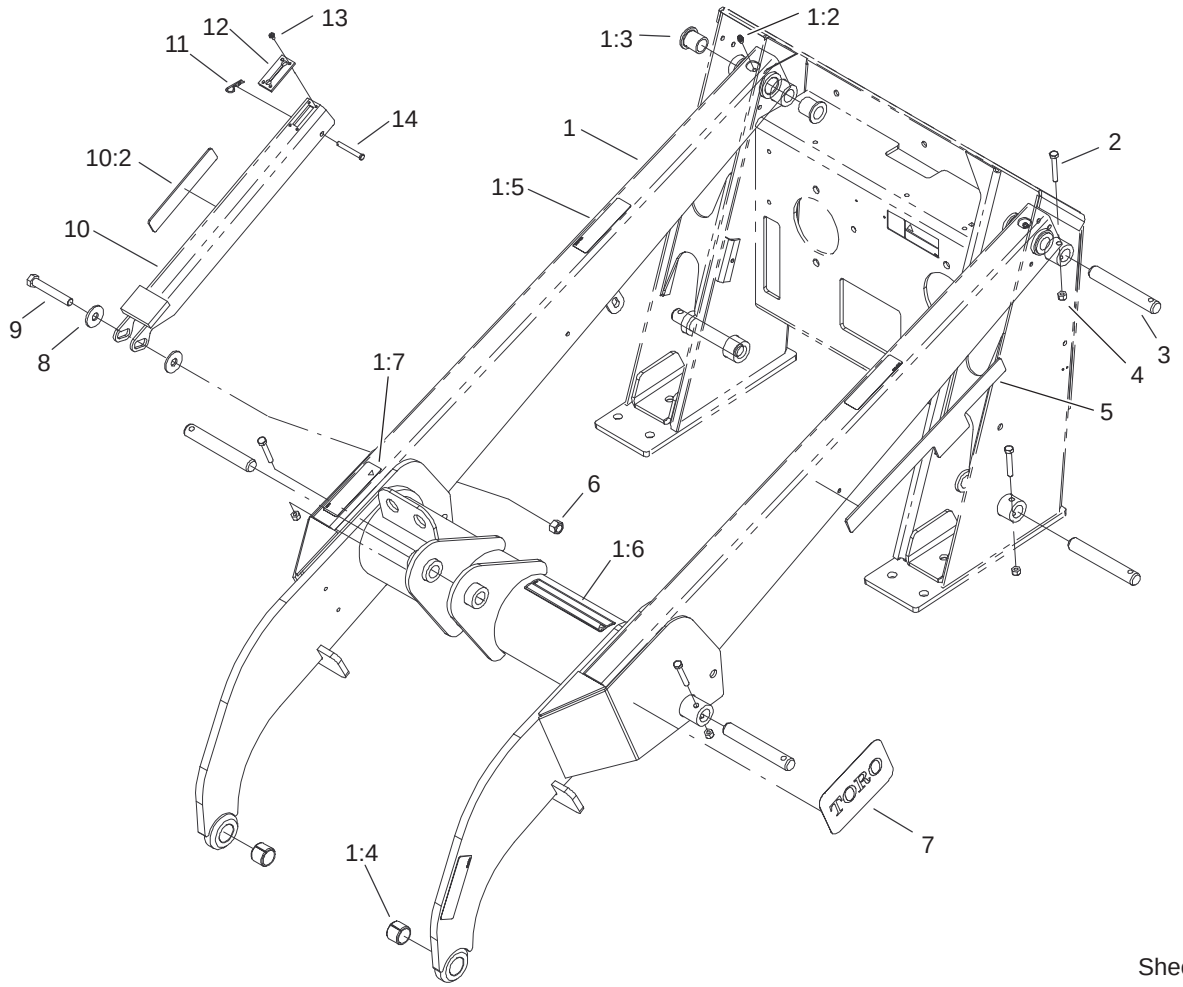
C–3019

# 1–Spool Valve Assembly No. 104–2831

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

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

3328–753A

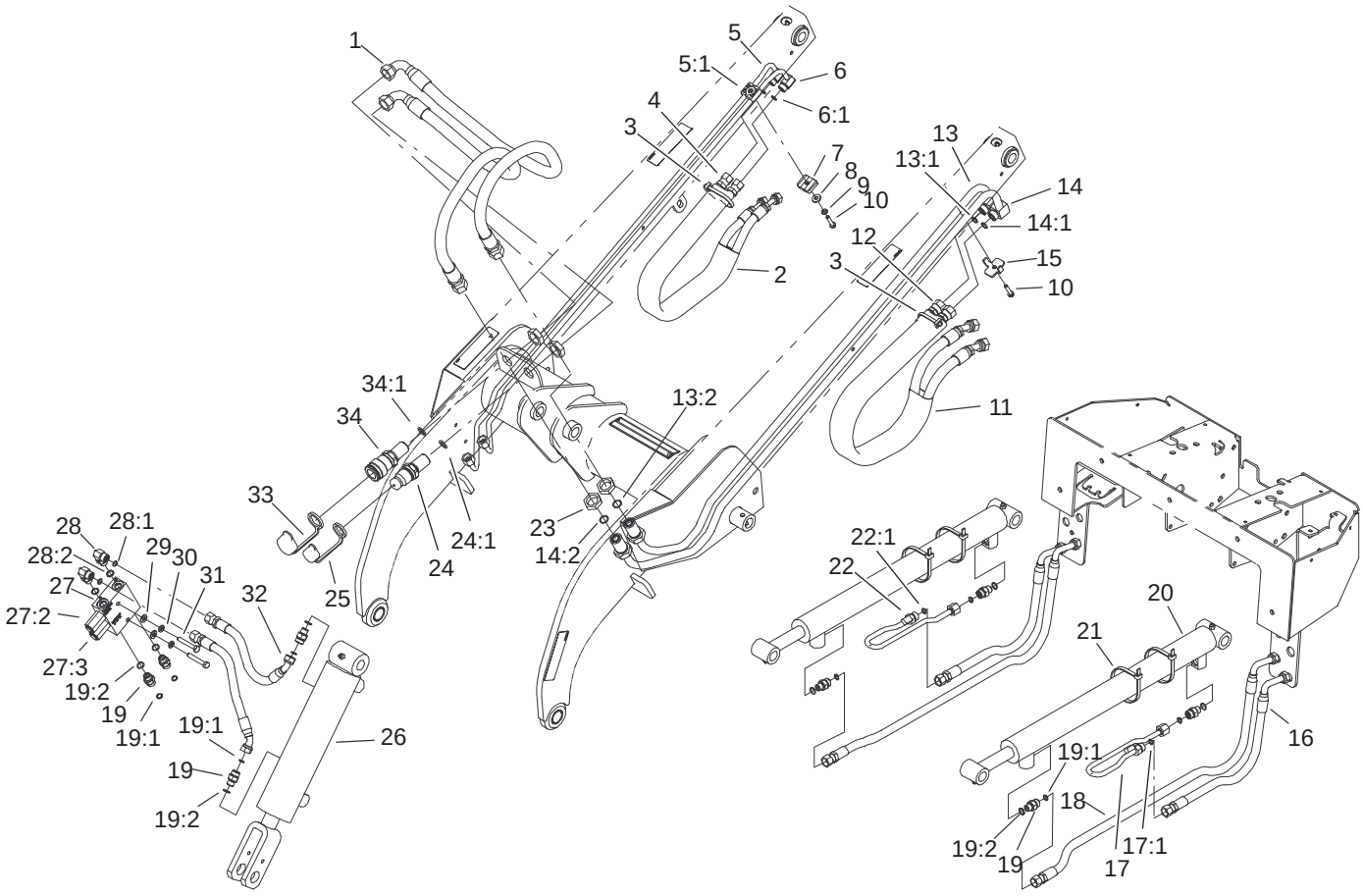



Sheet No.:14

# Loader Arm Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 100–6145 | 1 | Loader Arm ASM |
| 1:2 | 302–5 | 2 | Fitting–Grease |
| 1:3 | 95–3577 | 4 | Bushing |
| 1:4 | 98–4871 | 2 | Bushing–Tension |
| 1:5 | 100–6141 | 4 | Decal–Pinch |
| 1:6 | 100–6132 | 1 | Decal–Caution |
| 1:7 | 100–6101 | 1 | Decal–Caution |
| 2 | 322–10 | 7 | Screw–HH |
| 3 | 104–2849 | 7 | Pin–Locking |
| 4 | 3296–29 | 7 | Nut–Lock, NI |
| 5 | 105–8431 | 2 | Decal–Dingo Tx 425 |
| 6 | 3296–23 | 1 | Nut–Lock, NI |
| 7 | 105–1217 | 2 | Decal–Toro |
| 8 | 68–1440 | 2 | Washer–Rubber |
| 9 | 325–13 | 1 | Screw–HH |
| 10 | 100–6105 | 1 | Locking Arm ASM |
| 10:2 | 100–6135 | 1 | Decal–Danger |
| 11 | 3290–250 | 1 | Pin–Hair |
| 12 | 98–0083 | 1 | Stop–Rubber |
| 13 | 32144–107 | 4 | Screw |
| 14 | 283–48 | 1 | Pin–Clevis |

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



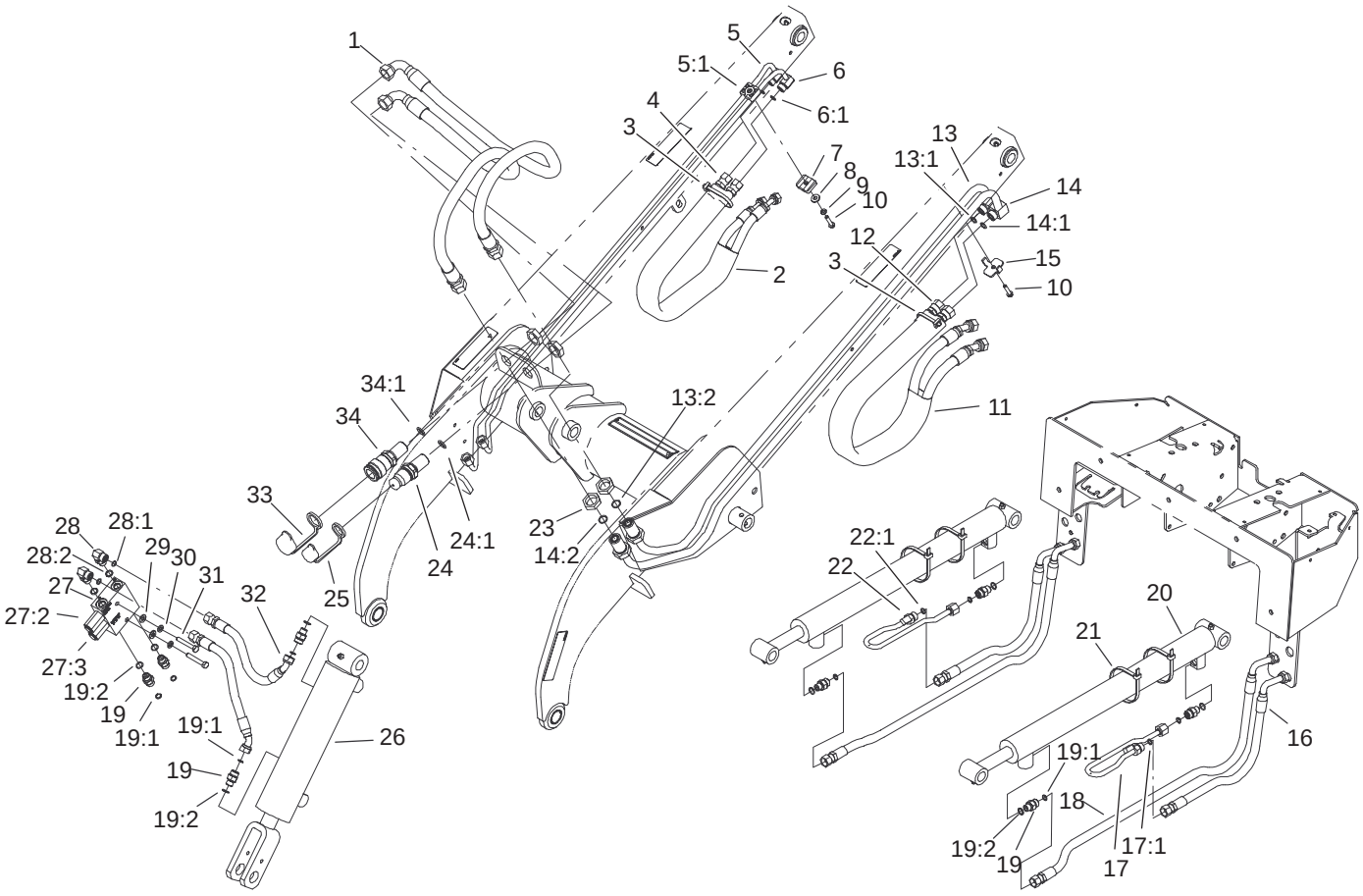

Sheet No.:15

# Loader Arm Hydraulic Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–6193 | 2 | Hose ASM |
| 2 | 100–6127 | 1 | Sleeve–Protective |
| 3 | 3290–378 | 2 | Tie–Cable |
| 4 | 98–0213 | 2 | HYD Hose ASM |
| 5 | 104–9965 | 1 | HYD Tube ASM |
| 5:1 | 237–22 | 1 | O–Ring |
| 6 | 104–9964 | 1 | HYD Tube ASM |
| 6:1 | 237–22 | 1 | O–Ring |
| 7 | 56–7973 | 2 | Clamp–Tube |
| 8 | 3256–2 | 1 | Washer–Flat |
| 9 | 3253–3 | 1 | Washer–Lock |
| 10 | 32144–110 | 2 | Screw–HWH |
| 11 | 100–6128 | 1 | Sleeve–Protective |
| 12 | 98–0242 | 2 | HYD Hose ASM |
| 13 | 104–9962 | 1 | HYD Tube ASM |
| 13:1 | 237–30 | 1 | O–Ring |
| 13:2 | 237–65 | 1 | O–Ring |
| 14 | 104–9963 | 1 | HYD Tube ASM |
| 14:1 | 237–30 | 1 | O–Ring |
| 14:2 | 237–65 | 1 | O–Ring |
| 15 | 98–0237 | 1 | Plate–Clamp, Tube |
| 16 | 98–0216 | 2 | HYD Hose ASM |
| 17 | 100–1259 | 1 | HYD Tube ASM |
| 17:1 | 237–22 | 1 | O–Ring |
| 18 | 98–0217 | 2 | HYD Hose ASM |
| 19 | 340–2 | 8 | Fitting–Straight, HYD |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 19:1 | 237–22 | 1 | O–Ring |
| 19:2 | 237–42 | 1 | O–Ring |
| 20 | 99–6162 | 2 | Cylinder–Lift |
| 21 | 3334–945 | 4 | Tie–Cable |
| 22 | 100–1258 | 1 | HYD Tube ASM |
| 22:1 | 237–22 | 1 | O–Ring |
| 23 | 340–74 | 4 | Locknut–Bulkhead |
| 24 | 105–8395 | 1 | Bulkhead Nipple ASM |
| 24:1 | 237–65 | 1 | O–Ring |
| *24:2 | 100–6120 | 1 | Seal Kit |
| 25 | 100–8815 | 1 | Cap–Dust, Nipple |
| 26 | 105–8370 | 1 | Cylinder–Tilt |
| 27 | 100–4205 | 1 | Valve–Relief, Crossover |
| *27:1 | 100–4219 | 2 | Seal Kit |
| 27:2 | 100–4220 | 1 | Cartridge–Relief |
| 27:3 | 100–4221 | 1 | Cartridge–Relief |
| 28 | 340–77 | 2 | Fitting–HYD, 90° |
| 28:1 | 237–22 | 1 | O–Ring |
| 28:2 | 237–42 | 1 | O–Ring |
| 29 | 3256–23 | 2 | Washer–Flat |
| 30 | 3253–4 | 2 | Washer–Lock |
| 31 | 322–10 | 2 | Screw–HH |
| 32 | 98–0207 | 2 | HYD Hose ASM |
| 33 | 100–8816 | 1 | Cap–Dust, Coupler |

* Not illustrated



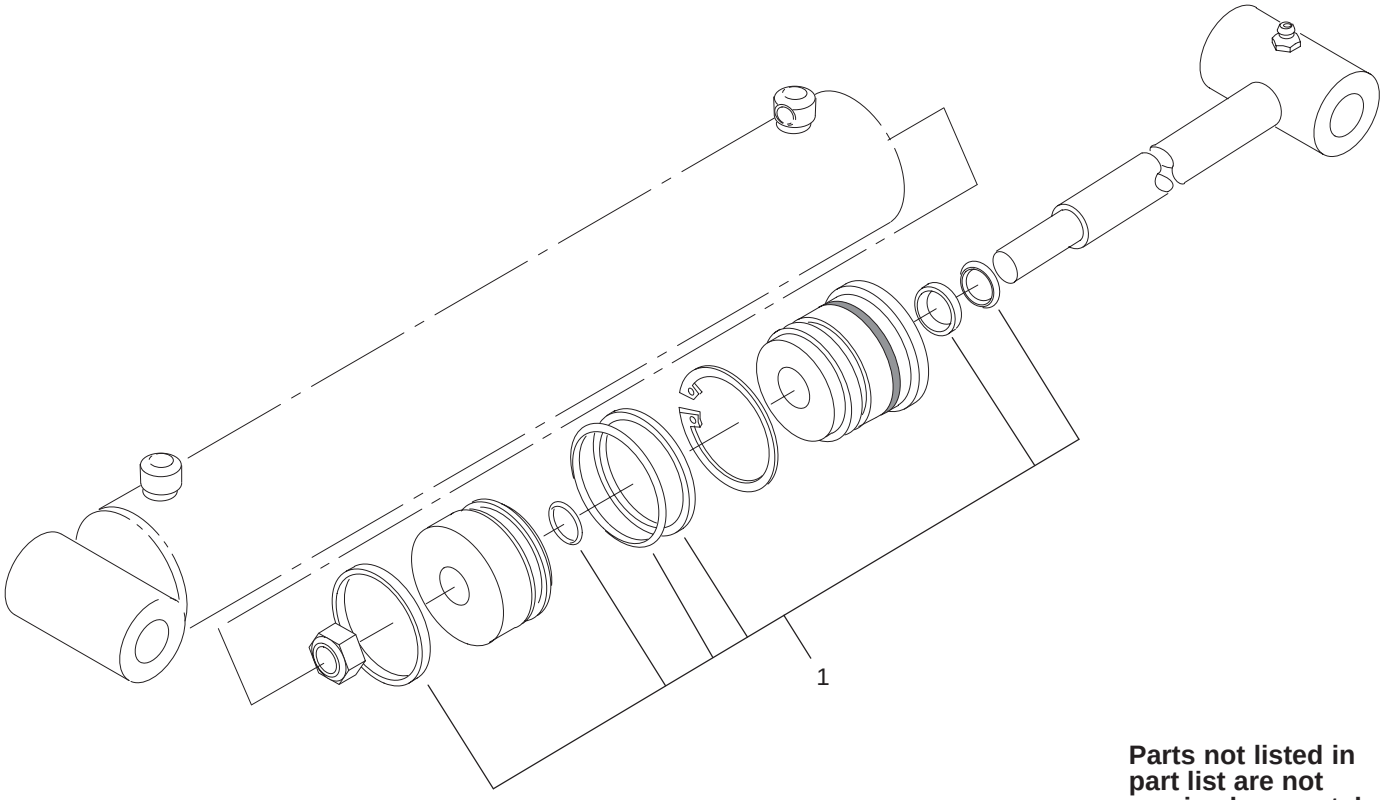

Sheet No.:15

# Loader Arm Hydraulic Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 34 | 105–8394 | 1 | Bulkhead Coupler ASM |
| 34:1 | 237–65 | 1 | O–Ring |
| *34:2 | 105–8396 | 1 | Seal Kit |

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

* Not illustrated




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

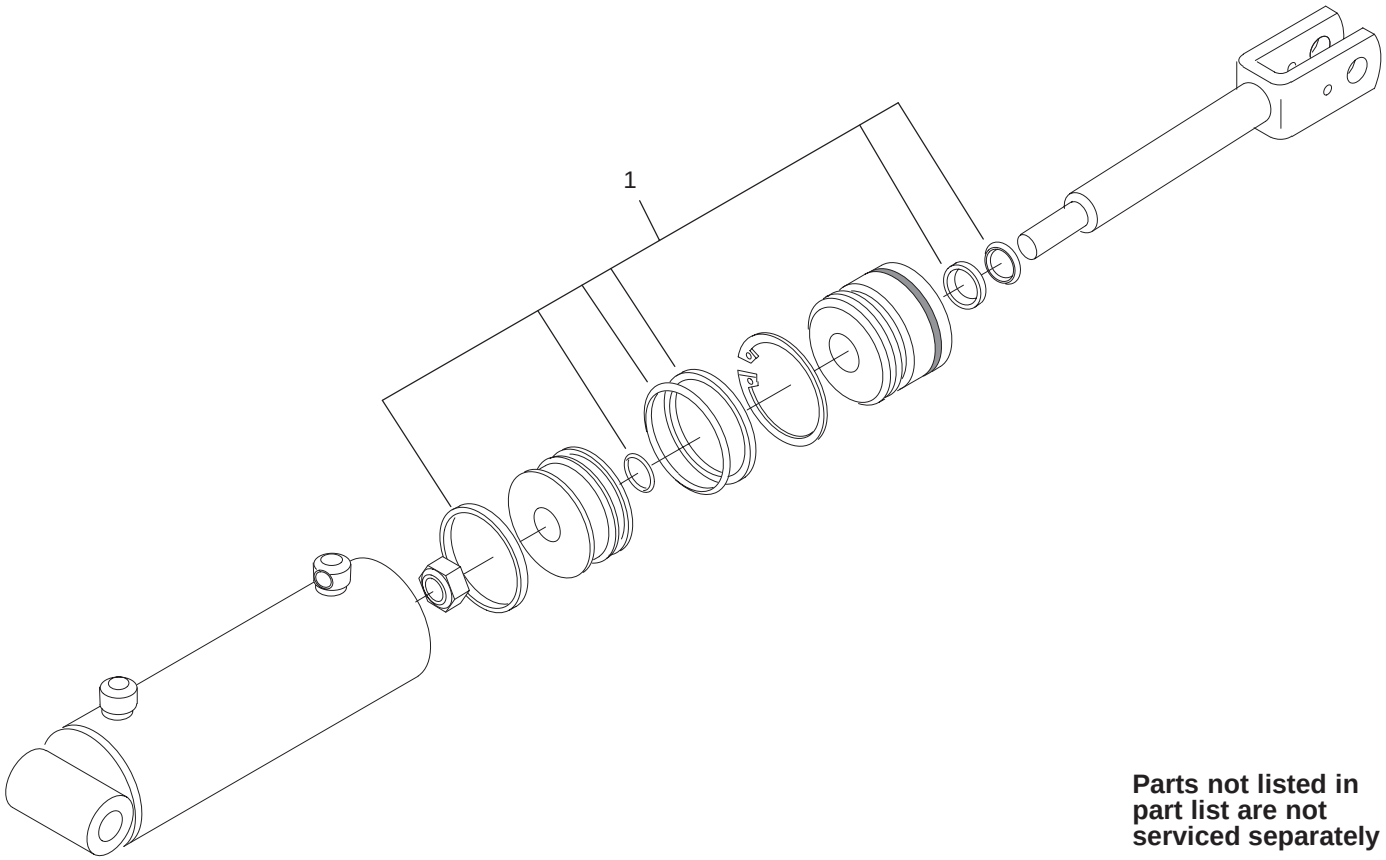
Sheet No.:A6

T–3619

# Lift Cylinder Assembly No. 99–6162

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 100–6107 | 1 | Seal Kit |

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




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

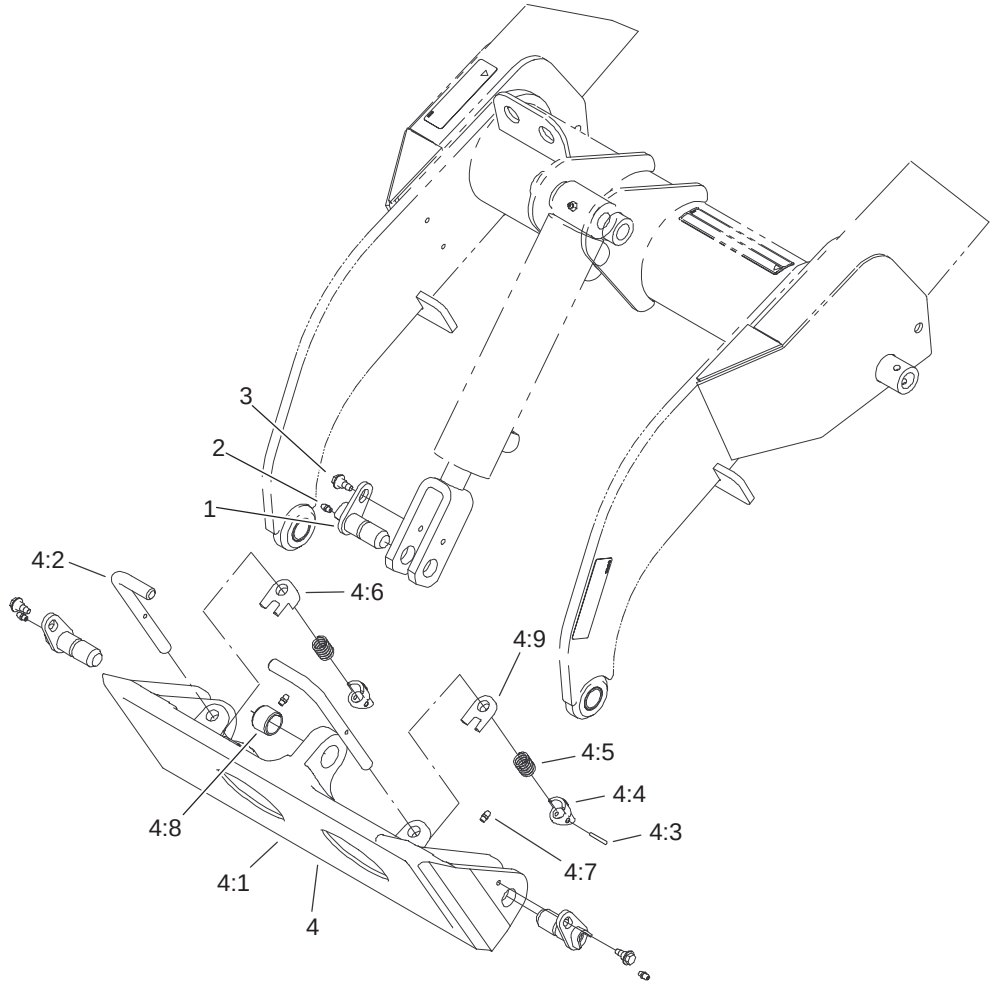
Sheet No.:A7

T–3618

# Tilt Cylinder Assembly No. 95–3578

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 106–7567 | 1 | Kit–Seal |

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

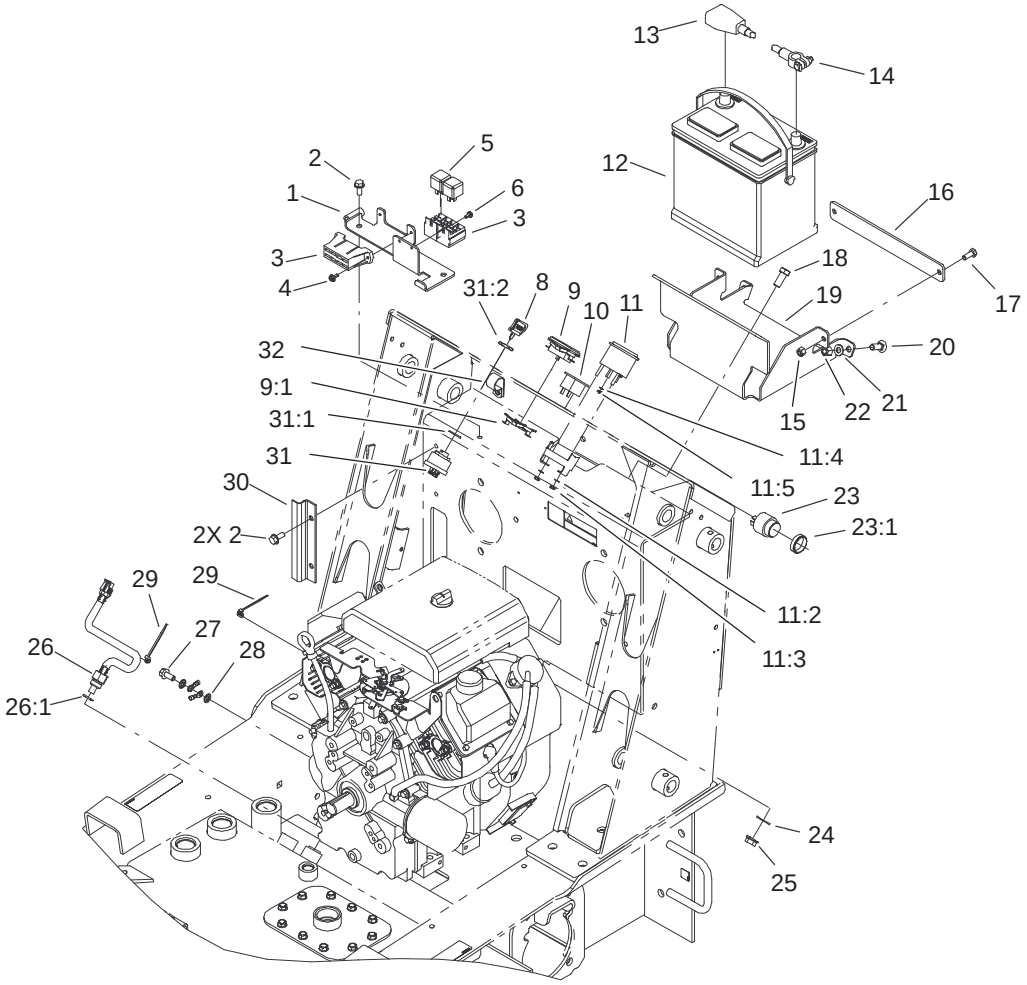



Sheet No.:16

# Quick Attach Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–1414 | 3 | Pin–Pivot |
| 2 | 302–5 | 3 | Fitting–Grease |
| 3 | 99–5105 | 3 | Bolt–Shoulder |
| 4 | 105–8364 | 1 | Quick Attach ASM |
| 4:1 | 105–0245–03 | 1 | Mount–Attach, Quick |
| 4:2 | 105–8367 | 2 | Pin–Locking |
| 4:3 | 3285–1 | 2 | Pin–Grooved |
| 4:4 | 105–0246 | 2 | Cam |
| 4:5 | 98–4694 | 2 | Spring–Compression |
| 4:6 | 104–5909 | 1 | Stop–RH |
| 4:7 | 302–5 | 2 | Fitting–Grease |
| 4:8 | 98–4871 | 1 | Bushing–Tension |
| 4:9 | 104–5903 | 1 | Stop–LH |

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



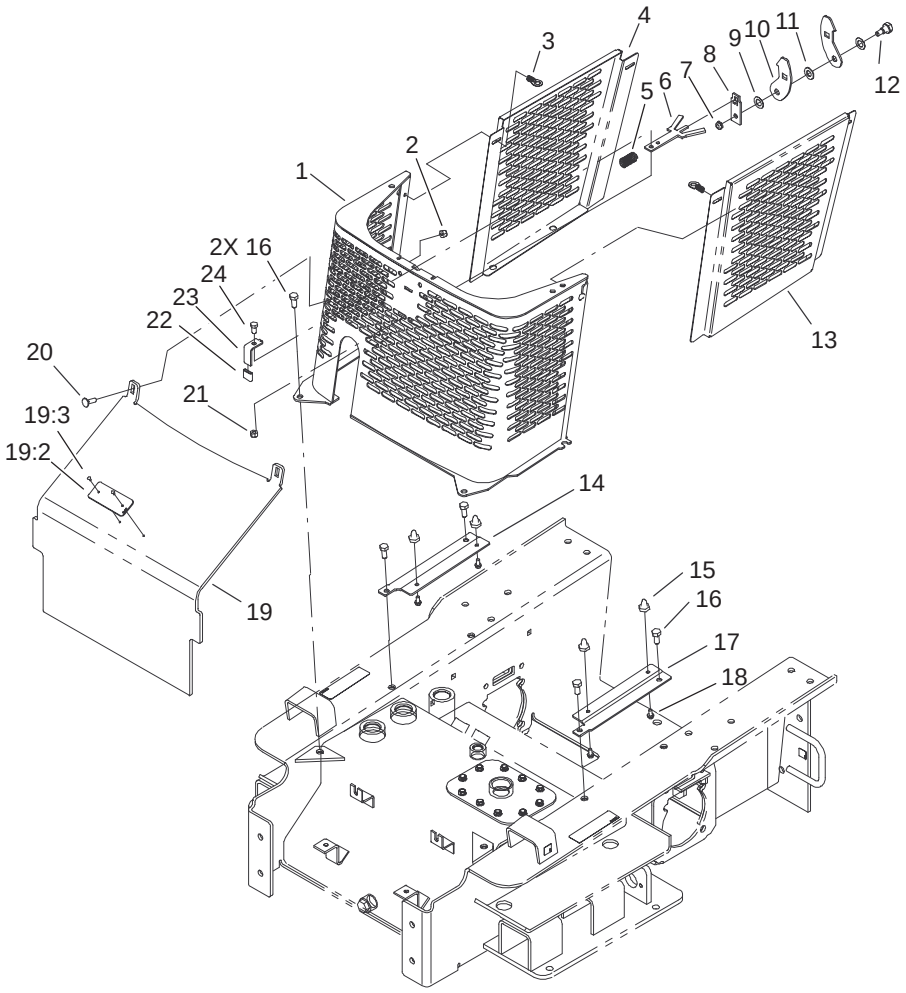

Sheet No.:17

# Electrical System Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 106–2558–03 | 1 | Fuse/Relay Bracket ASM |
| 2 | 32144–70 | 4 | Screw–HH |
| 3 | 106–4152 | 1 | Harness–Wire |
| *3:1 | 114594 | 1 | Fuse–10 Amp |
| *3:2 | 109102 | 1 | Fuse–25 Amp |
| *3:3 | NN10277 | 1 | Fuse–30 Amp |
| *3:4 | 109355 | 1 | Fuse–15 Amp |
| 4 | 12–5450 | 2 | Screw |
| 5 | 98–7249 | 2 | Relay |
| 6 | 104–2065 | 2 | Screw–HWH |
| 8 | 63–8360 | 1 | Key–Ignition |
| 9 | 104–7427 | 1 | Hourmeter–Inductive |
| 9:1 | 104–4234 | 1 | Clip–Mounting |
| 10 | 104–2839 | 1 | Light–Temp, Oil |
| 11 | 66–2940 | 1 | Gauge–Fuel |
| 11:2 | 3254–1 | 2 | Washer–Lock, Int |
| 11:3 | 3217–27 | 2 | Nut–Hex |
| 11:4 | 3255–24 | 3 | Washer–Lock/Ext |
| 11:5 | 3217–16 | 3 | Nut–Hex |
| 12 | 104–9979 | 1 | Battery (Dry) |
| 13 | 99–6185 | 1 | Cable–Battery, Positive |
| 14 | 99–6186 | 1 | Cable–Battery, Negative |
| 15 | 3296–29 | 2 | Nut–Lock, NI |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 16 | 105–0371–01 | 1 | Clamp–Battery |
| 17 | 322–3 | 2 | Screw–HH |
| 18 | 324–4 | 2 | Screw–HH |
| 19 | 105–0370–01 | 1 | Tray–Mounting, Battery |
| 20 | 3231–22 | 2 | Screw–CARR |
| 21 | 3256–38 | 2 | Washer–Flat |
| 22 | 3296–39 | 2 | Nut–Lock, NI |
| 23 | 80–9330 | 1 | Alarm–Audio |
| 23:1 | 104–5107 | 1 | Nut–Plastic, Knurled |
| 24 | 3256–4 | 2 | Washer–Flat |
| 25 | 32128–42 | 2 | Nut–HF |
| 26 | 98–2765 | 1 | Sensor–Temperature |
| 26:1 | 237–79 | 1 | O–Ring |
| 27 | 33104–020 | 1 | Screw–HHF |
| 28 | 3255–8 | 2 | Washer–Lock |
| 29 | 3290–381 | 2 | Tie–Cable |
| 30 | 100–6117–01 | 1 | Shield–Wiring |
| 31 | 88–9830 | 1 | Key Switch ASM |
| 31:1 | 3254–5 | 1 | Washer–Tooth |
| 31:2 | 218–461 | 1 | Nut–HH |
| 32 | 2412–41 | 1 | Clamp |

* Not illustrated

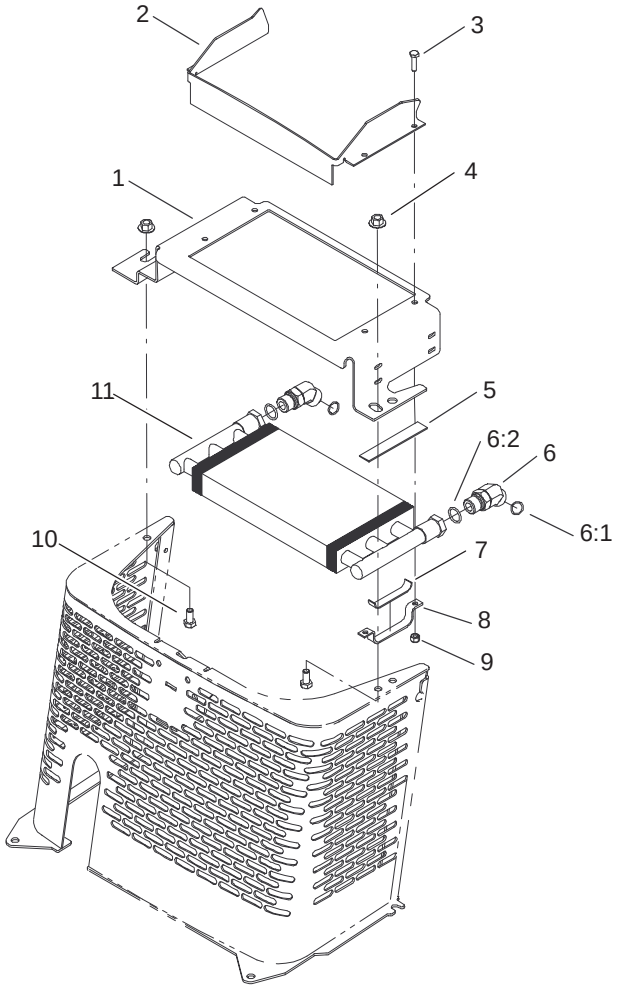



Sheet No.:18

# Grill Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 100–1282–03 | 1 | Grill ASM |
| 2 | 3296–29 | 2 | Nut–Lock, NI |
| 3 | 95–4013 | 2 | Latch ASM |
| 4 | 105–0380–03 | 1 | Panel–Side, RH |
| 5 | 100–6102 | 1 | Spring–Compression |
| 6 | 100–4226 | 1 | Lever–Latch |
| 7 | 3296–59 | 1 | Nut–Lock, NI |
| 8 | 100–4225 | 1 | Spacer–Latch |
| 9 | 47–2910 | 1 | Washer–Thrust |
| 10 | 100–4224 | 2 | Latch–Hood |
| 11 | 257–10 | 2 | Washer–Thrust |
| 12 | 27–5240 | 1 | Bolt–Shoulder |
| 13 | 105–0379–03 | 1 | Panel–Side, LH |
| 14 | 100–1280–03 | 1 | Support–Side Panel, RH |
| 15 | 95–3989 | 4 | Mount–Sidepanel |
| 16 | 95–1726 | 6 | Screw–Taptite W/Patch |
| 17 | 100–1281–03 | 1 | Support–Side Panel, LH |
| 18 | 46–8093 | 4 | Screw–Plastite |
| 19 | 105–0395 | 1 | Heat Shield ASM |
| 19:2 | 80–8290 | 1 | Plate–Surface, Hot |
| 19:3 | 3269–31 | 2 | Rivet–Pop |
| 20 | 3230–28 | 2 | Screw–CARR |
| 21 | 3296–29 | 1 | Nut–Lock, NI |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 22 | 100–1655 | 1 | Grip–Handle |
| 23 | 100–4223 | 1 | Handle–Latch |
| 24 | 322–2 | 1 | Screw–HH |

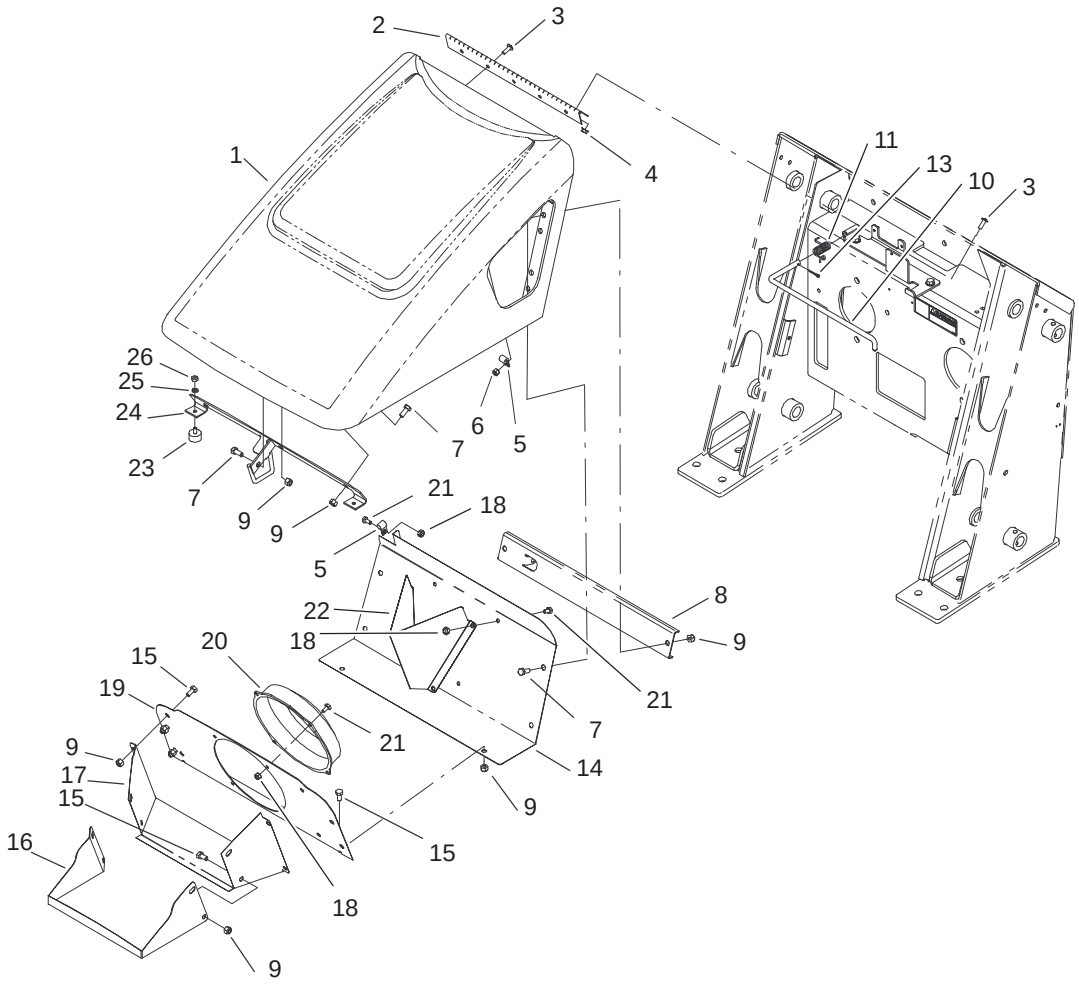



Sheet No.:19

# Hydraulic Oil Cooler Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104–2801–03 | 1 | Bracket–Cooler |
| 2 | 104–2802–03 | 1 | Shield–Cooler |
| 3 | 321–6 | 4 | Screw–HH |
| 4 | 32128–43 | 3 | Nut–Flange |
| 5 | 94–9566 | 2 | Pad–Footrest |
| 6 | 340–14 | 2 | Fitting–HYD, 45° |
| 6:1 | 237–65 | 1 | O–Ring |
| 6:2 | 237–80 | 1 | O–Ring |
| 7 | 104–2816 | 2 | Pad–Support |
| 8 | 104–2803 | 2 | Support–Cooler |
| 9 | 3296–42 | 4 | Nut–Lock, NI |
| 10 | 323–4 | 3 | Screw–HH |
| 11 | 105–0352 | 1 | Exchanger–Heat |

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

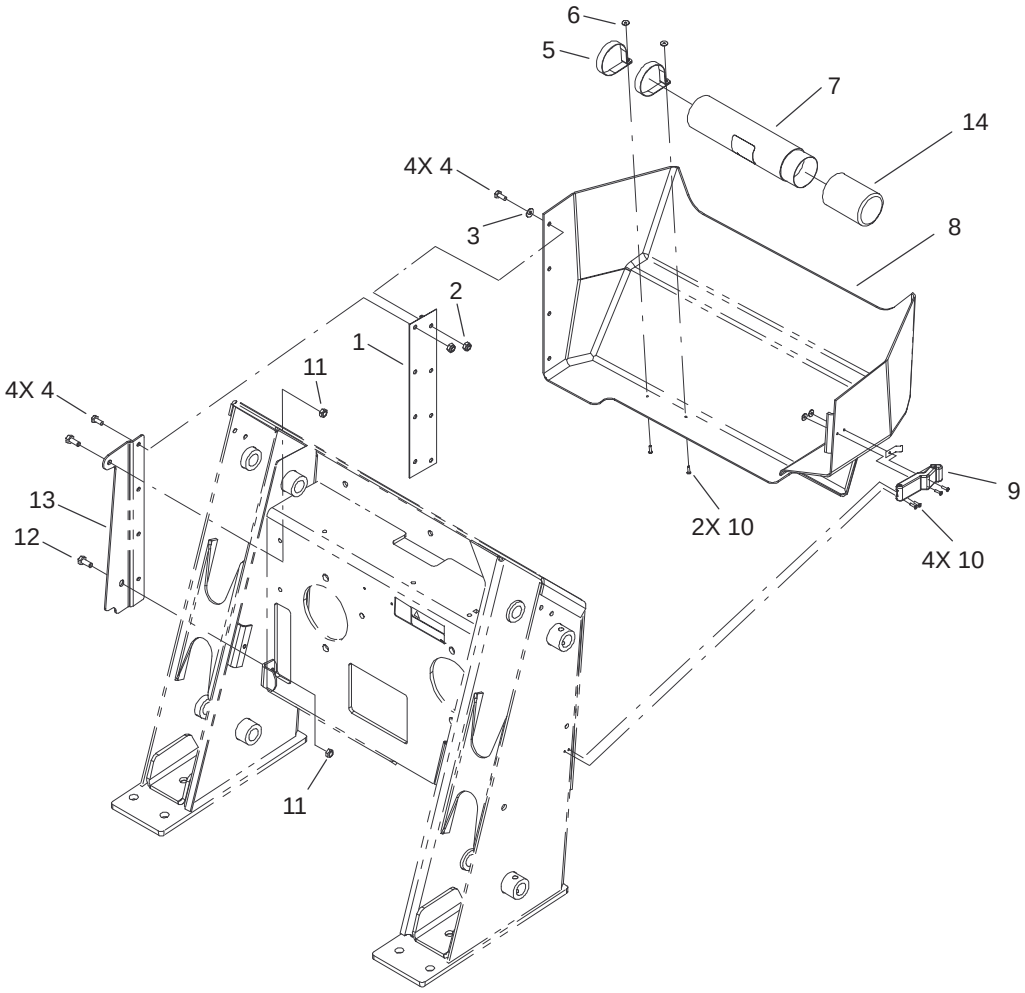



Sheet No.:20

# Hood Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 106–2590 | 1 | Engine Hood ASM |
| 2 | 100–1284 | 1 | Hinge–Hood |
| 3 | 9114604 | 9 | Screw–Head, Truss |
| 4 | 32128–33 | 4 | Nut–HF |
| 5 | 2412–91 | 2 | Clamp |
| 6 | 3296–42 | 5 | Nut–Lock, NI |
| 7 | 322–3 | 14 | Screw–HH |
| 8 | 106–2555–03 | 1 | Bracket–Support, Hood |
| 9 | 3296–29 | 22 | Nut–Lock, NI |
| 10 | 106–2554 | 1 | Rod–Support, Hood |
| 11 | 106–2584 | 1 | Spring–Torsion |
| 13 | 3272–6 | 1 | Pin–Cotter |
| 14 | 106–2596–03 | 1 | Bracket–Fan, Back |
| 15 | 322–2 | 8 | Screw–HH |
| 16 | 104–2813–03 | 1 | Shroud–Fan, Front |
| 17 | 106–2597–03 | 1 | Shroud–Fan |
| 18 | 3296–16 | 9 | Nut–Lock, NI |
| 19 | 106–2595–03 | 1 | Bracket–Baffle, Fan |
| 20 | 104–2809 | 1 | Fan–12v |
| 21 | 321–2 | 9 | Screw–HH |
| 22 | 104–2811–03 | 1 | Baffle–Fan |
| 23 | 240–14 | 2 | Bumper–Rubber |
| 24 | 100–1297–03 | 1 | Rod Latch ASM |
| 25 | 3253–3 | 2 | Washer–Lock |
| 26 | 3217–5 | 2 | Nut–Hex |

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



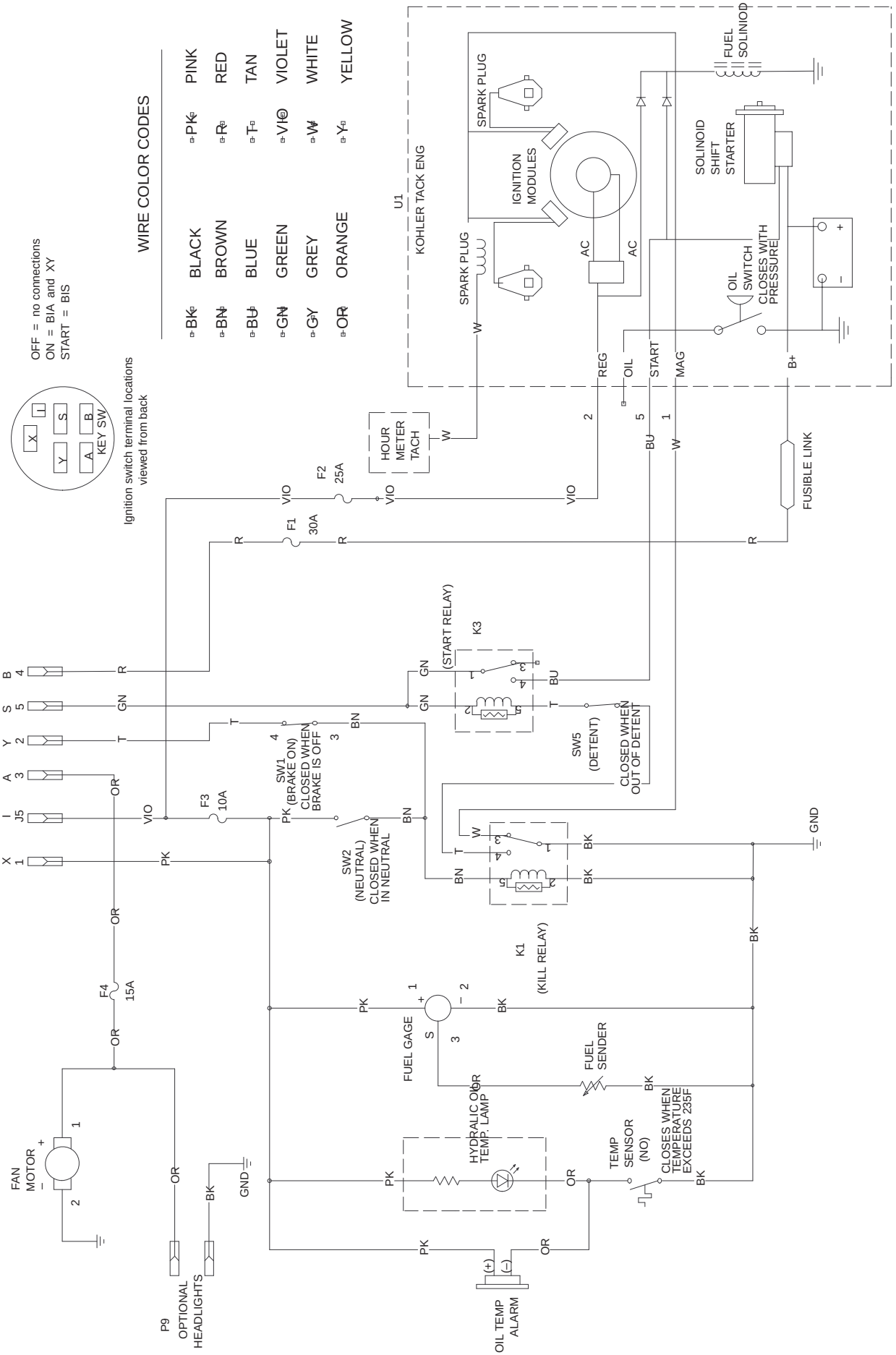

Sheet No.:21

# Rear Access Cover Assembly

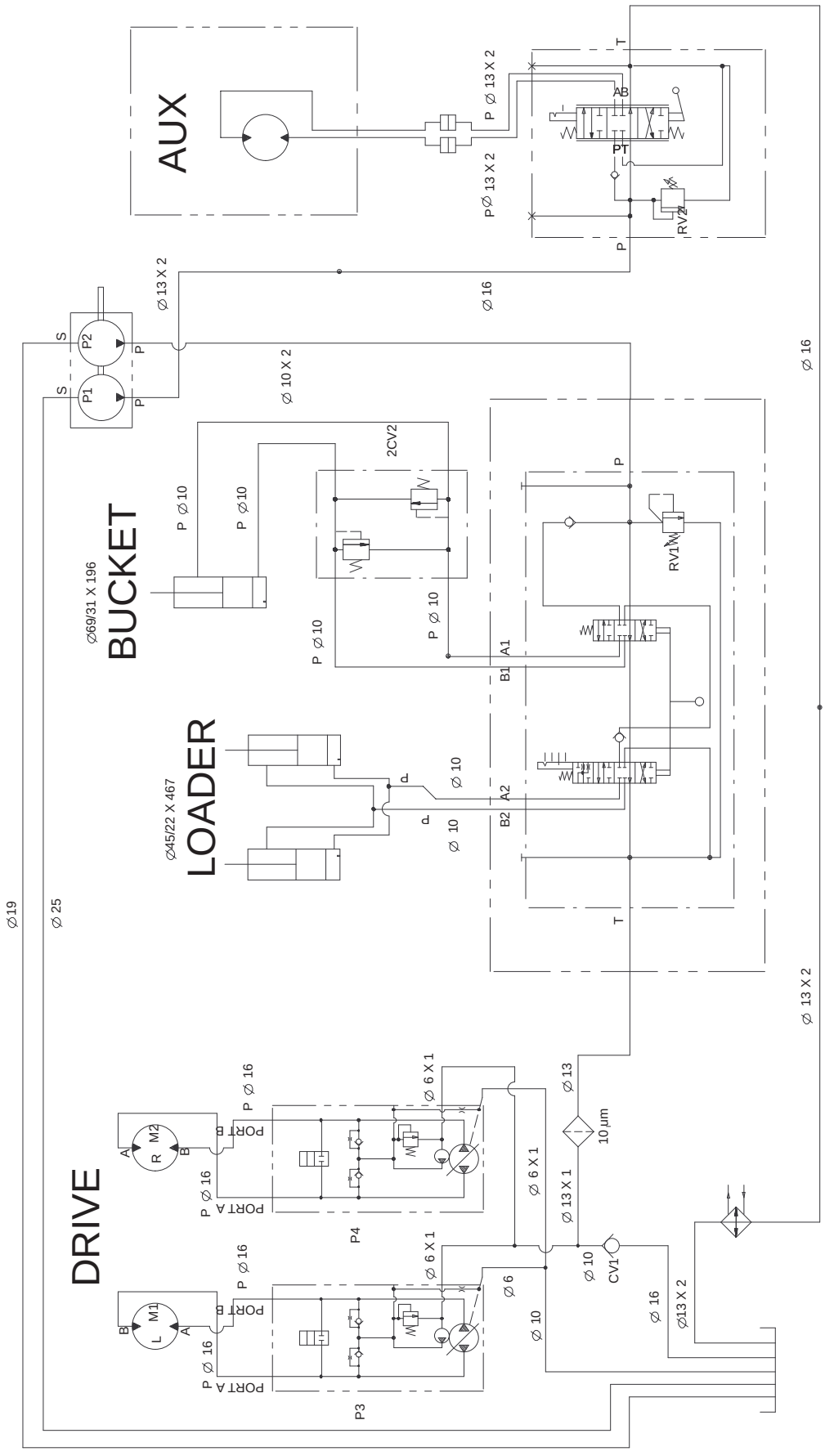
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 100–1290 | 1 | Hinge–Cover |
| 2 | 3296–16 | 8 | Nut–Lock, NI |
| 3 | 3256–1 | 4 | Washer–Flat |
| 4 | 321–39 | 8 | Screw–HH |
| 5 | 2412–120 | 2 | R–Clamp |
| 6 | 3269–10 | 4 | Washer–Back |
| 7 | 104–7050 | 1 | Housing–Manual |
| 8 | 100–1288 | 1 | Cover–Back |
| 9 | 80–6980 | 1 | Latch |
| 10 | 3269–17 | 8 | Rivet–Pop |
| 11 | 3296–47 | 2 | Nut–Lock, NI |
| 12 | 322–3 | 2 | Screw–HH |
| 13 | 100–1289–01 | 1 | Bracket–Hinge, Cover |
| 14 | 104–7048 | 1 | Cap–Housing |

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

# Electrical Schematic

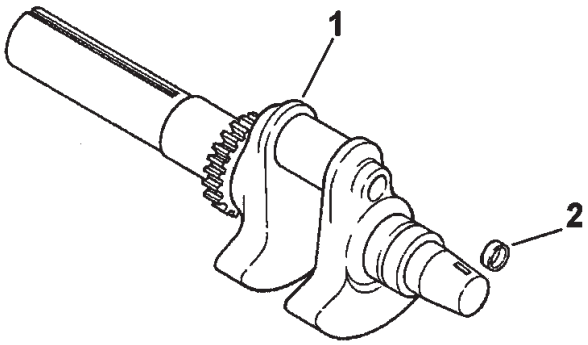


# Hydraulic Schematic




| DISPLACEMENT AND PRESSURE CHART | | | | | |
|---|---|---|---|---|---|
| COMPONENT | DISPLACEMENT | PRESSURE | | FLOWRATE* | |
| COMPONENT | CU IN/REV | CU CM/REV | PSI | BARS | GPM | LPM |
| *P1 | 0.73 CU IN | 12 CC | | | 11.2 | 42.4 |
| *P2 | 0.36 CU IN | 6 CC | | | 5.5 | 21.0 |
| M1,M2 | 32.3 CU IN | 528 CC | | | | |
| **P3,P4 | 0–1.28 CU IN | 21 CC | | | 17 | 64 |
| RV1 | | | 2400 PSI | 166 BARS | | |
| RV2 | | | 3000 PSI | 207 BARS | | |
| CV1 | | | 5 PSI | .35 BARS | | |
| 2CV2 | | | 3000 PSI | 207 BARS | | |

* FLOWRATE CALCULATED AT 3600 RPM AND 98% EFFICIENCY.
** FLOWRATE CALCULATED AT 3100 RPM AND 98% EFFICIENCY.

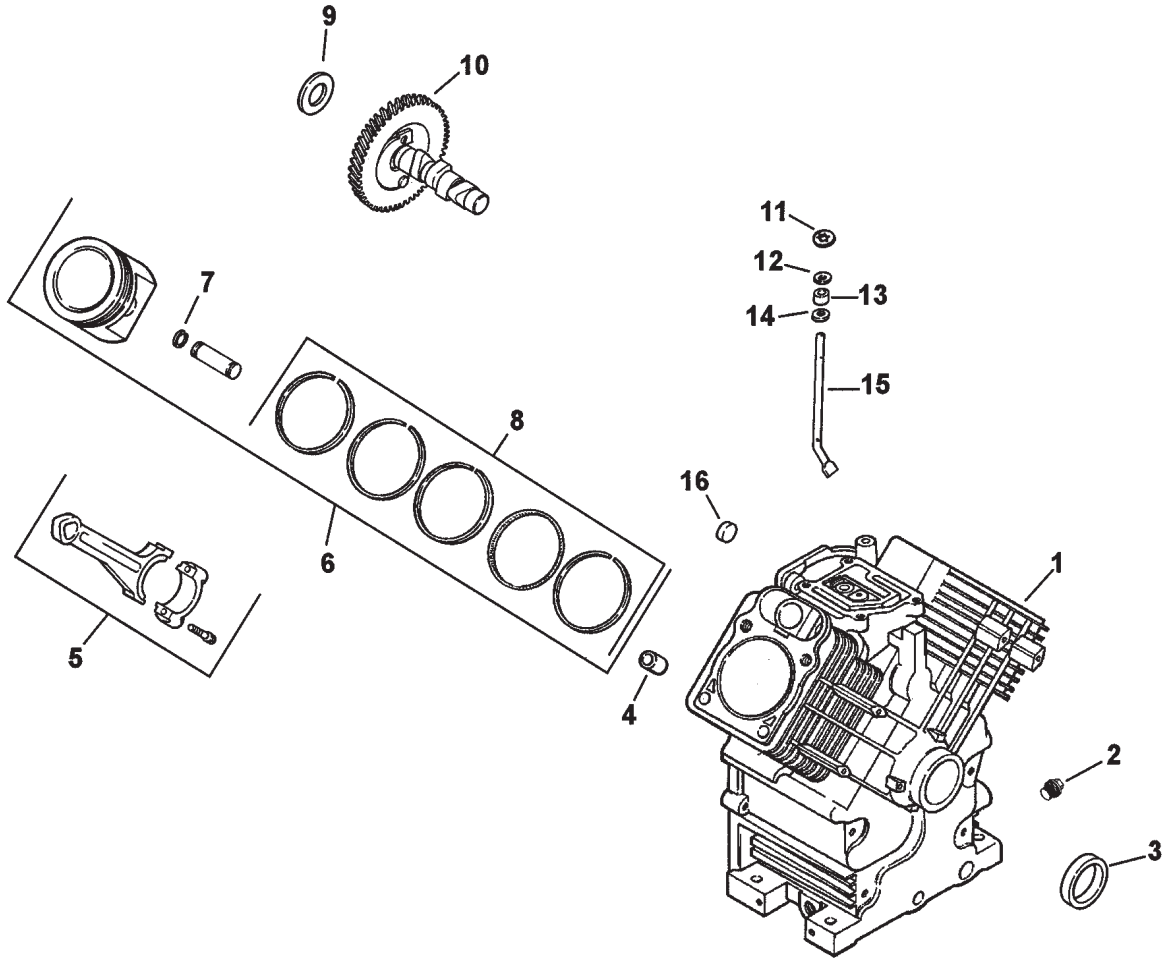



# Crankshaft Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 24 014 90–S | 1 | Crankshaft ASM (Includes 2) |
| 2 | 52 139 09–S | 1 | Plug–Cup |

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

**Obtain Parts from Kohler**

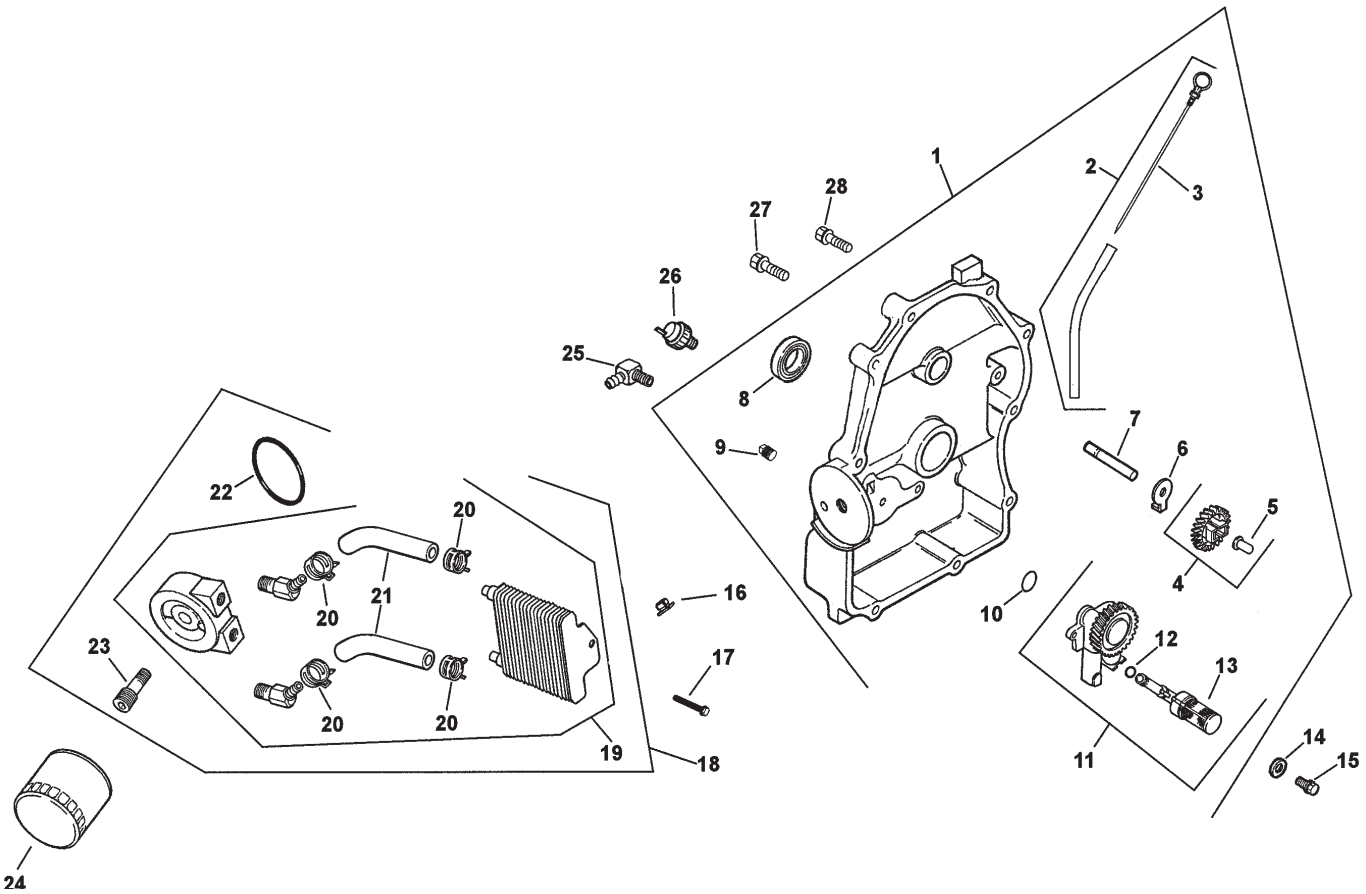



# Crankcase Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 24 561 138–S | 1 | Kit–Crankcase (Includes 2, 4, 16, & 24 113 56–S) |
| 2 | 25 139 57–S | 2 | Plug |
| 3 | 24 032 01–S | 1 | Seal–Oil, Front |
| 4 | 24 380 13–S | 6 | Pin–Dowel, Locating |
| 5 | 24 067 13–S | 2 | Rod–Connecting (Std.) |
| | 24 067 14–S | 2 | Rod–Connecting (.25) |
| 6 | 24 874 06–S | 2 | Piston w/Ring Set (Std.) (Includes 7, 8) |
| 7 | 24 018 01–S | 4 | Retainer–Pin, Piston |
| 8 | 24 108 04–S | 2 | Set–Ring (Std.) |
| 9 | 12 422 09–S | AR | Shim–Camshaft |
| | 12 422 13–S | AR | Shim–Camshaft |
| | 12 422 07–S | AR | Shim–Camshaft |
| | 12 422 08–S | AR | Shim–Camshaft |
| | 12 422 10–S | 1 | Shim–Camshaft |
| | 12 422 11–S | AR | Shim–Camshaft |
| | 12 422 12–S | AR | 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 Shaft |
| 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 |
| * | 24 113 56–S | 1 | Decal |

**Obtain Parts from Kohler**

* Not illustrated



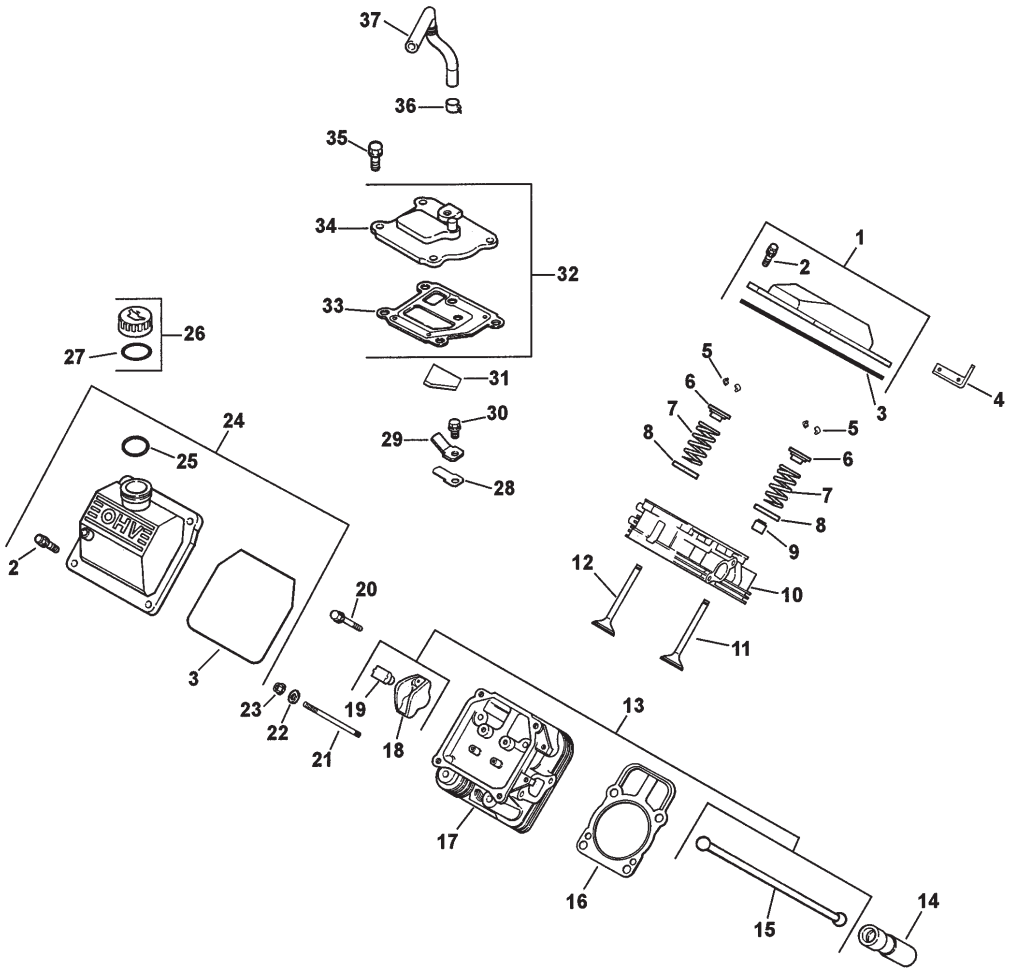

# Oil Pan/Lubrication Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 24 009 92–S | 1 | Kit–Plate, Closure (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–Gear, Governor (w/pin) (Includes 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 | 2 | Plug–Pipe, Allen Head |
| 10 | 24 153 08–S | 1 | O–Ring |
| 11 | 24 393 10–S | 1 | Oil Pump ASM (Includes 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 | 24 100 01–S | 2 | Nut–Plastic |
| 17 | 24 086 12–S | 2 | Screw |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 18 | 54 755 21–S | 1 | Kit–Oil Cooler, Aluminum Base (Includes 19–23) |
| 19 | 24 594 09–S | 1 | Cooler–Oil (Includes 20, 21) |
| 20 | 24 237 10–S | 4 | Clamp–Hose |
| 21 | 24 326 15–S | 2 | Hose |
| 22 | 24 153 13–S | 1 | O–Ring |
| 23 | 28 136 01–S | 1 | Nipple–Filter, Oil |
| 24 | 52 050 02–S | 1 | Filter–Oil |
| 25 | 25 155 02–S | 1 | Connector |
| 26 | 24 099 03–S | 1 | Switch–Pressure, Oil |
| 27 | 24 086 16–S | 9 | Screw–HF |
| 28 | 24 086 17–S | 1 | Screw–HF |
| * | 24 113 25–S | 1 | Decal–Cooler, Oil |

**Obtain Parts from Kohler**

* Not illustrated

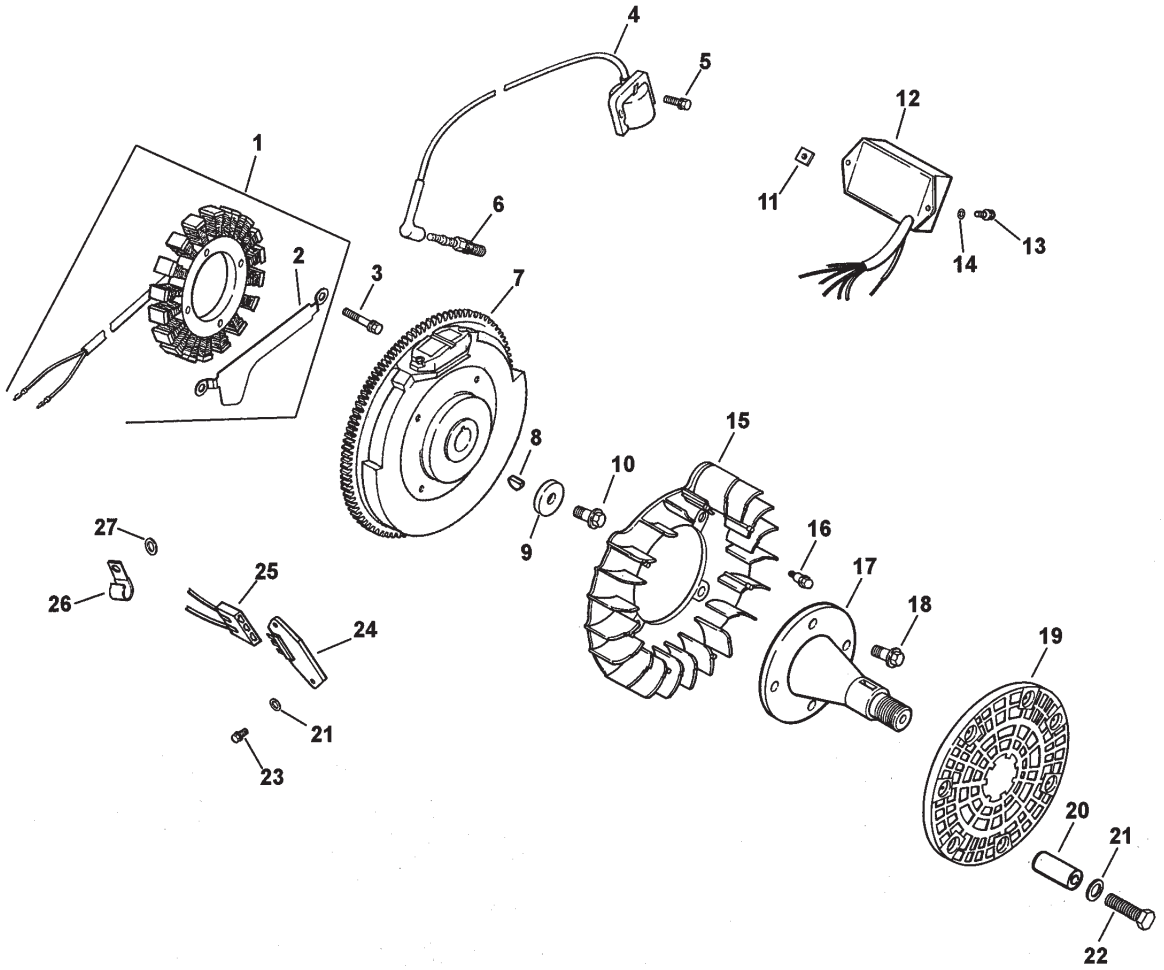



# Head/Valve/Breather Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 24 755 74–S | 1 | Kit–Valve Cover, Plain (Includes 2, 3) |
| 2 | 24 086 32–S | 4 | Screw–Shoulder |
| 3 | 24 153 16–S | 1 | O–Ring |
| 4 | 24 445 01–S | 1 | Strap–Lifting |
| 5 | 12 755 03–S | 4 | Kit–Retainer |
| 6 | 12 173 01–S | 4 | Cap–Spring, Valve |
| 7 | 24 089 02–S | 4 | Spring–Valve |
| 8 | 235011–S | 4 | RetainerSpring |
| 9 | 24 032 05–S | 2 | Seal–Stem, Valve |
| 10 | 24 318 65–S | 1 | #1 Cylinder Head ASM |
| 11 | 24 017 01–S | 2 | Valve–Intake (Std.) |
| | 24 017 02–S | 2 | Valve–Intake (.25) |
| 12 | 24 016 01–S | 2 | Valve–Exhaust (Std.) |
| | 24 016 02–S | 2 | Valve–Exhaust (.25) |
| 13 | 24 755 66–S | 1 | Kit–Train, Valve (Includes 15, 18, 19) |
| 14 | 25 351 01–S | 4 | Lifter–Valve |
| 15 | 24 411 05–S | 4 | Rod–Push |
| 16 | 24 041 37–S | 2 | Gasket–Head, Cylinder |
| 17 | 24 318 66–S | 1 | #2 Cylinder Head ASM |
| 18 | 25 186 01–S | 4 | Arm–Rocker |
| 19 | 24 599 01–S | 4 | Pivot–Arm, Rocker |
| 20 | M–640034–S | 4 | Screw–HF |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 21 | 24 072 09–S | 8 | Stud |
| 22 | 24 468 16–S | 8 | Washer–Flat |
| 23 | 24 100 10–S | 8 | Nut–HF |
| 24 | 24 755 75–S | 1 | Kit–Valve Cover, Oil Fill (Includes 2, 3, 25) |
| 25 | 24 153 09–S | 1 | O–Ring |
| 26 | 24 755 46–S | 1 | Kit–Cap, Oil Fill (Includes 27) |
| 27 | 12 153 03–S | 1 | O–Ring–Cap, Oil Fill |
| 28 | 24 402 03–S | 1 | Reed–Breather |
| 29 | 12 018 01–S | 1 | Retainer–Reed, Breather |
| 30 | M–545010–S | 1 | Screw–HF |
| 31 | 24 050 01–S | 1 | Filter–Breather |
| 32 | 24 033 01–S | 1 | Kit–Breather (Includes 33, 34) |
| 33 | 24 041 23–S | 1 | Gasket–Breather |
| 34 | 24 096 58–S | 1 | Cover–Breather |
| 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**



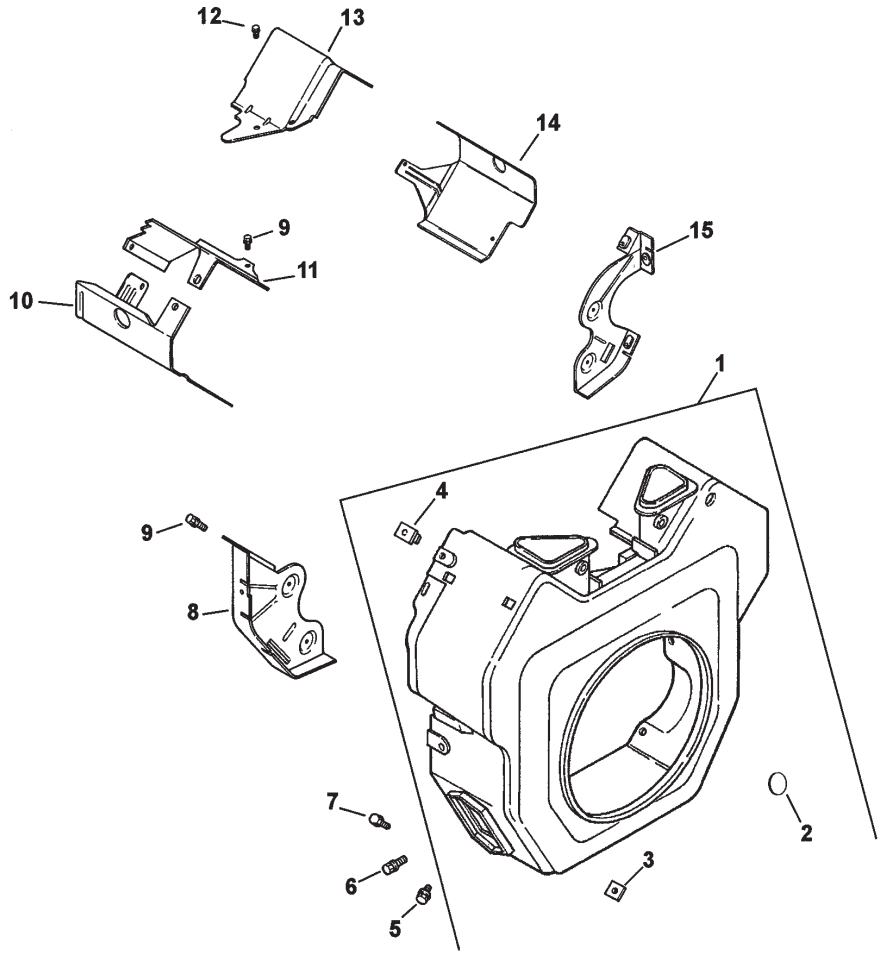

# Ignition/Electrical Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 54 755 09–S | 1 | Kit–Stator, 15 Amp (Includes 2) |
| 2 | 24 126 71–S | 1 | Bracket–Wire, Stator |
| 3 | M–548025–S | 2 | Screw |
| 4 | 24 584 15–S | 2 | Module–Ignition |
| 5 | M–561025–S | 4 | Screw–HSH |
| 6 | 12 132 06–S | 2 | Plug–Spark |
| 7 | 24 025 14–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 | 24 100 02–S | 2 | Nut–Plastic |
| 12 | 24 584 09–S | 1 | Module–Advance, Speed |
| 13 | 24 086 41–S | 2 | Screw–Head, Phillips |
| 14 | X–22–11–S | 1 | Washer–Lock |
| 15 | 24 157 03–S | 1 | Fan |
| 16 | 25 086 47–S | 4 | Bolt–Shoulder |
| 17 | 24 144 13–S | 1 | Shaft–Drive, Front |
| 18 | M–839025–S | 4 | Screw–HF |
| 19 | 24 162 18–S | 1 | Screen–Grass |
| 20 | 24 112 04–S | 4 | Spacer |
| 21 | X–25–92–S | 6 | Washer–Plain |
| 22 | M–403025–S | 4 | Screw |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 23 | 24 086 18–S | 2 | Screw–Head, Phillips |
| 24 | 25 403 03–S | 1 | Rectifier–Regulator, 15 amp |
| 25 | 236602–S | 1 | Connector |
| 26 | 47 154 01–S | 1 | Clip–Cable |
| 27 | X–25–63–S | 1 | Washer–Plain |
| * | 24 176 42–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 (mounts 5 wire connector of wiring harness to barrel baffle above starter) |

**Obtain Parts from Kohler**

* Not illustrated



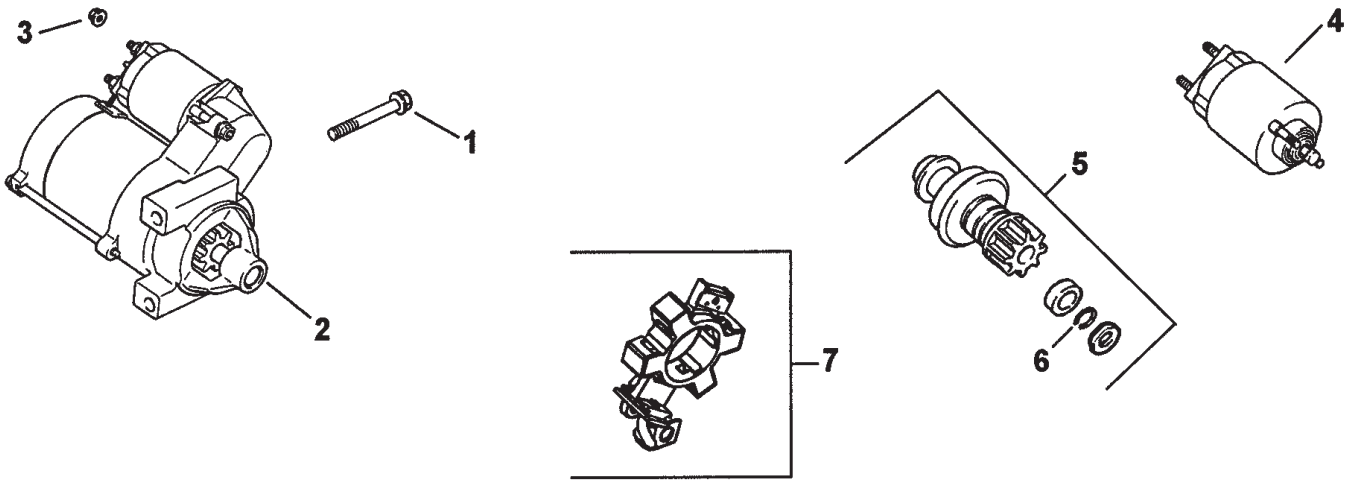

# Blower Housing and Baffles Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 24 027 53–S | 1 | Blower Housing ASM (Includes 2–4) |
| 2 | 25 139 16–S | 1 | Plug–Button |
| 3 | 24 100 01–S | 2 | Nut–Plastic |
| 4 | 24 100 02–S | 2 | Nut–Plastic |
| 5 | M–551016–S | 1 | Screw–HF |
| 6 | M–545016–S | 2 | Screw–HF |
| 7 | M–545020–S | 4 | Screw–HF |
| 8 | 24 146 19–S | 1 | Plate–Backing, #2 side |
| 9 | M–645016–S | 6 | Screw–HF |
| 10 | 24 063 39–S | 1 | Baffle–Cylinder Barrel, #2 side |
| 11 | 24 063 17–S | 1 | Baffle–Valley, #2 side |
| 12 | M–545010–S | 2 | Screw–HF |
| 13 | 24 063 24–S | 1 | Baffle–Valley, #1 side |
| 14 | 24 063 58–S | 1 | Baffle–Cylinder Barrel, #1 side |
| 15 | 24 146 20–S | 1 | Plate–Backing, #1 side |
| * | 24 113 97–S | 1 | Decal, HP |

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

**Obtain Parts from Kohler**

* Not illustrated

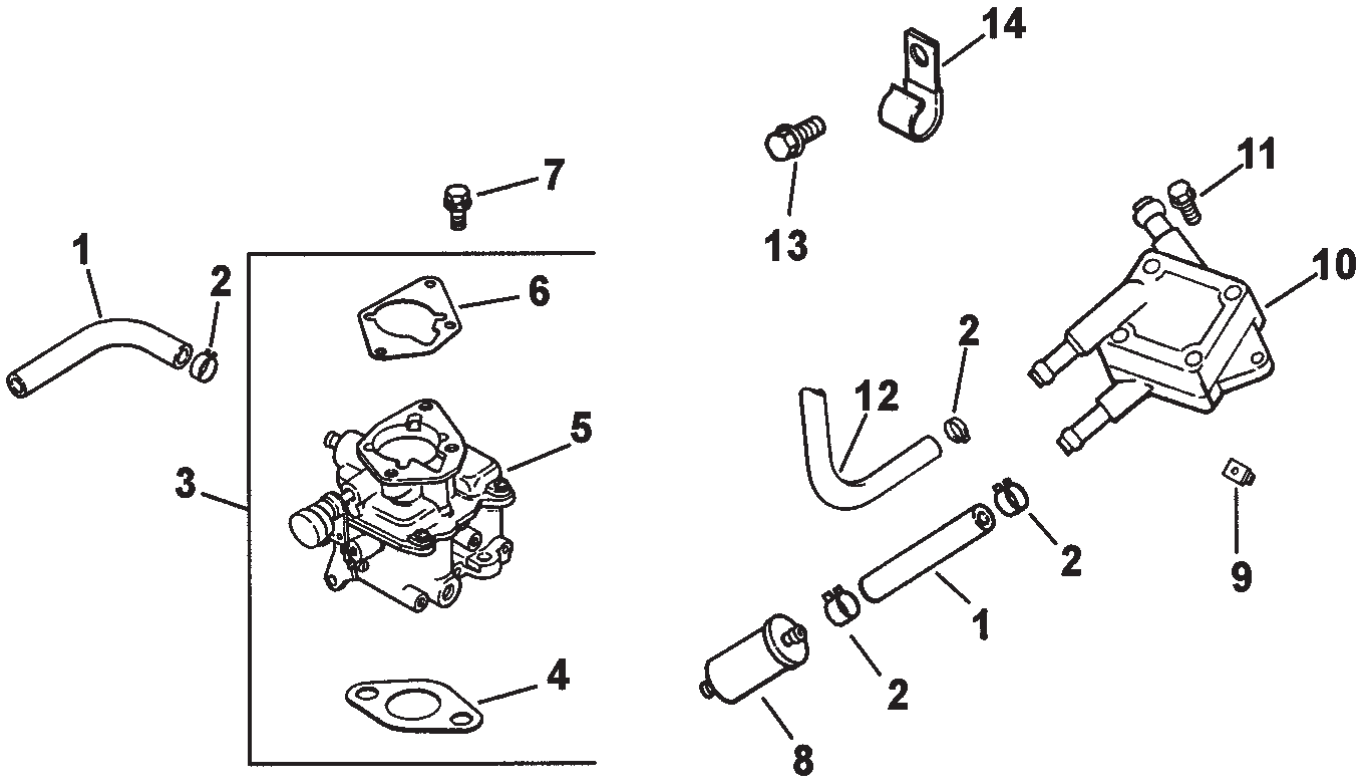



# Starting System Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | M–839080–S | 2 | Screw–HF |
| 2 | 25 098 08–S | 1 | Solenoid Shift Starter ASM (Includes 4–7) |
| 3 | M–841080–S | 1 | Nut–HF |
| 4 | 25 435 04–S | 1 | Kit–Solenoid |
| 5 | 25 755 33–S | 1 | Kit–Drive, Pinion (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**



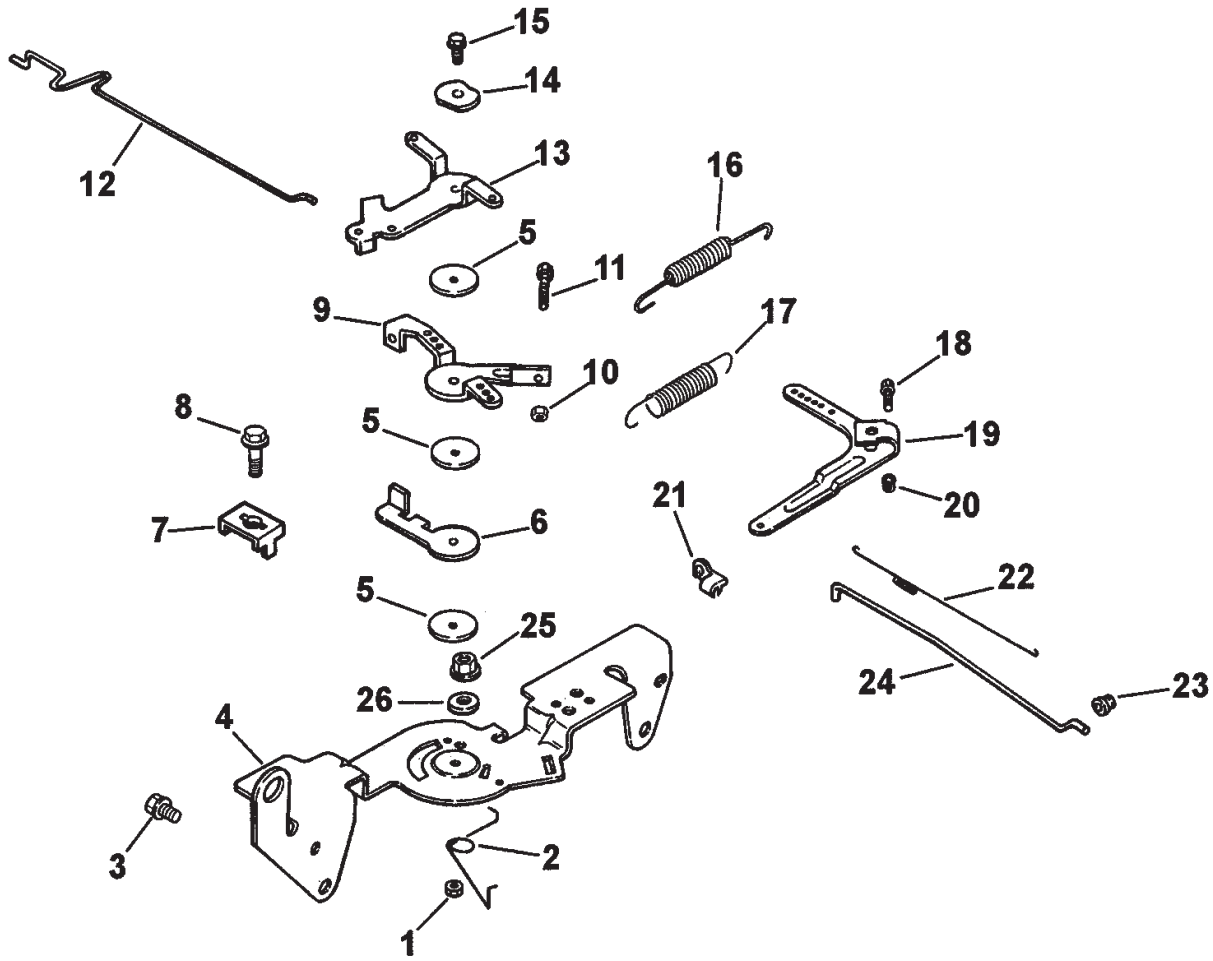

# Fuel System Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 25 353 32–S | 2 | Line–Fuel, 9–1/4” |
| 2 | 25 237 14–S | 6 | Clamp–Hose |
| 3 | 24 853 34–S | 1 | Kit–Carburetor (w/gasket) (Includes 4–6) |
| 4 | 24 041 06–S | 1 | Gasket–Cleaner, Air |
| 5 | 24 053 34 | 1 | Carburetor ASM (For information only, not available separately) (Service with: 24 757 01–S, 24 757 02–S, 24 757 03–S, 24 757 08–S, 24 757 07–S 24 757 09–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 | 24 100 01–S | 2 | Nut–Plastic |
| 10 | 24 393 16–S | 1 | Pump–Fuel, Pulse |
| 11 | 24 086 12–S | 2 | Screw |
| 12 | 24 353 02–S | 1 | Line–Fuel, 15–1/2” |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 13 | M–650012–S | 1 | Screw–HF |
| 14 | 47 154 01–S | 1 | Clip–Cable |
| * | 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 |
| * | 24 757 08–S | 1 | Kit–Repair, Accelerator Pump Seal & Bushing |
| * | 24 757 09–S | 1 | Kit–Repair, Accelerator Pump Diaphragm |

**Obtain Parts from Kohler**

* Not illustrated

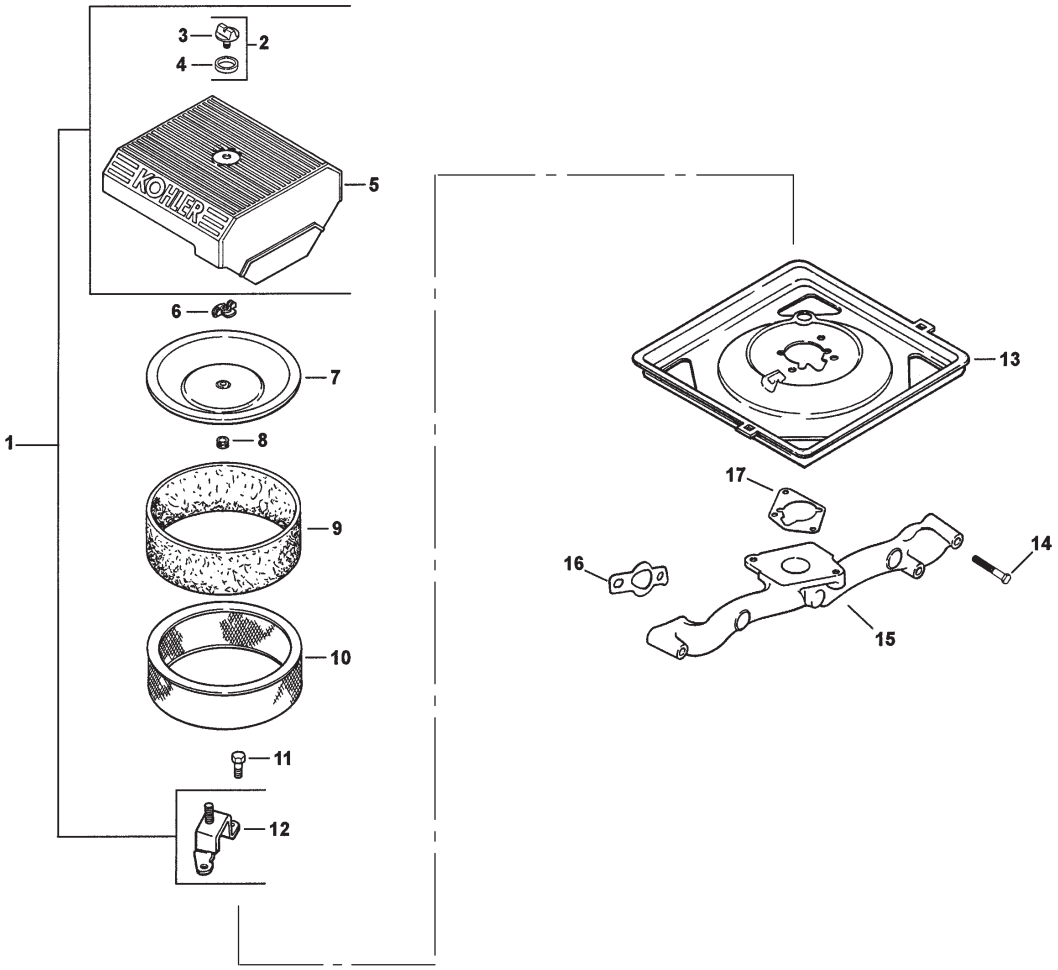



# Engine Controls Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | M–547050–S | 1 | Nut–Lock, 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 | 24 468 01–S | 3 | Washer–Plain |
| 6 | 24 090 07–S | 1 | Lever–Actuator, Throttle |
| 7 | 12 237 01–S | 2 | Clamp–Cable |
| 8 | M–545016–S | 3 | Screw–HF |
| 9 | 24 090 03–S | 1 | Lever–Control, Throttle |
| 10 | M–446030–S | 1 | Nut–HF |
| 11 | M–401030–S | 1 | Screw–HF |
| 12 | 24 079 02–S | 1 | Linkage–Choke |
| 13 | 24 090 05–S | 1 | Lever–Choke |
| 14 | 41 468 03–S | 1 | Washer–Spring |
| 15 | M–545020–S | 1 | Screw–HF |
| 16 | 24 089 51–S | 1 | Spring–Limiter, Throttle |
| 17 | 24 089 44–S | 1 | Spring–Governor |
| 18 | 24 211 03–S | 1 | Bolt–Square Neck, Round Head |
| 19 | 24 090 33–S | 1 | Lever–Governor |
| 20 | M–641060–S | 1 | Nut–HF |
| 21 | 25 158 11–S | 1 | Bushing–Retaining, Linkage |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 22 | 24 089 01–S | 1 | Spring–Linkage |
| 23 | 25 158 08–S | 1 | Bushing–Linkage, Throttle |
| 24 | 24 079 01–S | 1 | Linkage–Throttle |
| 25 | M–541050–S | 1 | Nut–HF |
| 26 | X–20–1–S | 1 | Washer–Lock |

**Obtain Parts from Kohler**

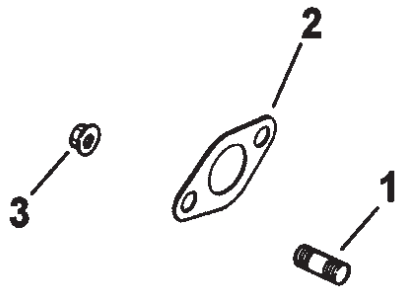



# Air Intake and Filtration Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 24 743 05–S | 1 | Kit–Cover, Air Cleaner (Includes 2–4, 12) |
| 2 | 54 755 01–S | 1 | Kit–Knob w/seal (Includes 3, 4) |
| 3 | 25 341 03–S | 1 | Knob–Cover |
| 4 | 24 153 20–S | 1 | O–Ring–Knob, Cover |
| 5 | 24 096 67–S | 1 | Cover–Cleaner , Air |
| 6 | 12 100 01–S | 1 | Nut–Wing |
| 7 | 24 096 01–S | 1 | Cover–Air Cleaner, Inner |
| 8 | 230046–S | 1 | Seal |
| 9 | 24 083 05–S | 1 | Precleaner |
| 10 | 24 083 03–S | 1 | Element |
| 11 | M–645016–S | 3 | Screw–HF |
| 12 | 24 126 88–S | 1 | Bracket–Cleaner, Air |
| 13 | 24 094 11–S | 1 | Base–Cleaner, Air |
| 14 | 25 086 84–S | 4 | Screw–HF |
| 15 | 24 164 14–S | 1 | Manifold–Intake |
| 16 | 24 041 01–S | 2 | Gasket–Manifold, Intake |
| 17 | 24 041 06–S | 1 | Gasket–Base, Air Cleaner |

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

**Obtain Parts from Kohler**




# Exhaust Assembly
# Kohler CH25S–68688

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 25 072 04–S | 4 | Stud |
| 2 | 24 041 02–S | 2 | Gasket–Exhaust |
| 3 | M–841080–S | 4 | Nut–HF |
| * | 24 782 20 | 1 | Miniblock |
| * | 24 755 113–S | 1 | Set–Gasket |

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

**Obtain Parts from Kohler**

* Not illustrated

# Maintenance Record

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# Maintenance Record

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