



4 x 4 TRACTOR

Model 420

Starting Serial No. 1001

Illustrated Parts List



CAUTION

- READ AND UNDERSTAND OPERATORS MANUAL BEFORE OPERATING OR SERVICING.
- OBEY ALL SAFETY INSTRUCTIONS. FAILURE TO DO SO MAY RESULT IN INJURY TO YOU OR OTHERS.
- BE SURE MACHINE IS IN SAFE OPERATING CONDITION BEFORE USE.
- INSPECT MACHINE DAILY. REPLACE ALL WORN OR DAMAGED PARTS.
- KEEP ALL GUARDS AND SHIELDS IN PLACE.
- CHECK OPERATION OF ALL SAFETY INTERLOCK SWITCHES DAILY.
- DO NOT OVERRIDE INTERLOCK SYSTEM, IT IS FOR YOUR PROTECTION.
- DO NOT ALLOW MINORS OR THE INEXPERIENCED TO OPERATE MACHINE.
- KEEP PEOPLE AND PETS A SAFE DISTANCE AWAY FROM MACHINE USING POWER DRIVEN ATTACHMENTS. INJURY COULD RESULT FROM FLYING DEBRIS.

Date of Purchase: Month _____ Day _____ Year _____

Dealer Name _____ Phone _____

Serial Number _____

Model Number _____

ALWAYS GIVE MODEL AND SERIAL NUMBER WHEN ORDERING SERVICE PARTS

STEINER
TEXTRON

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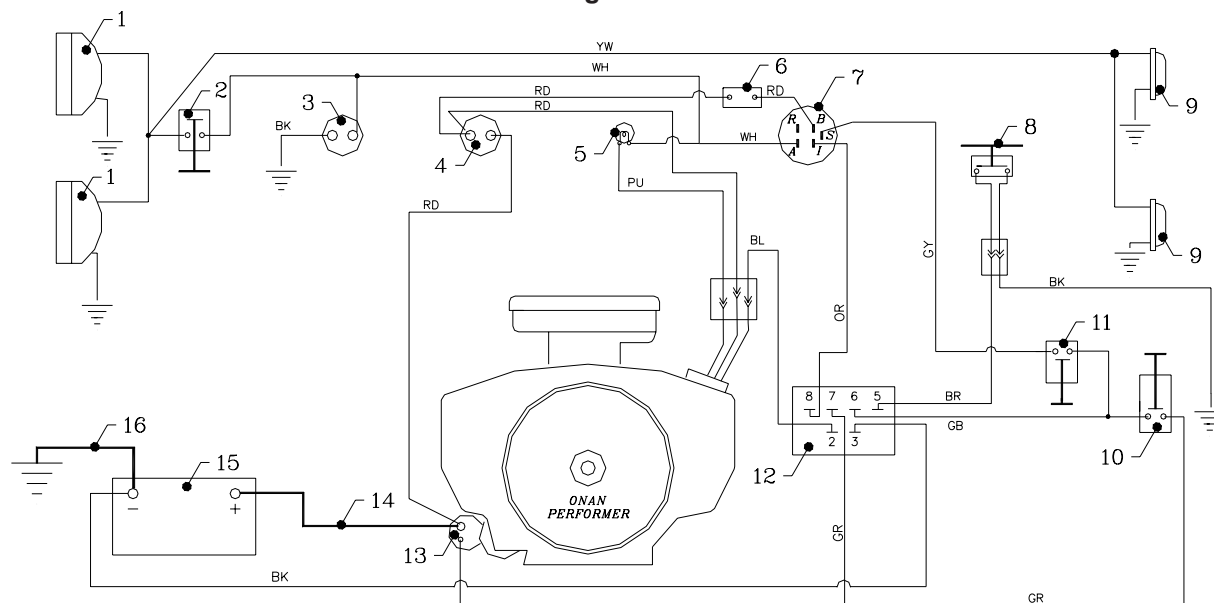
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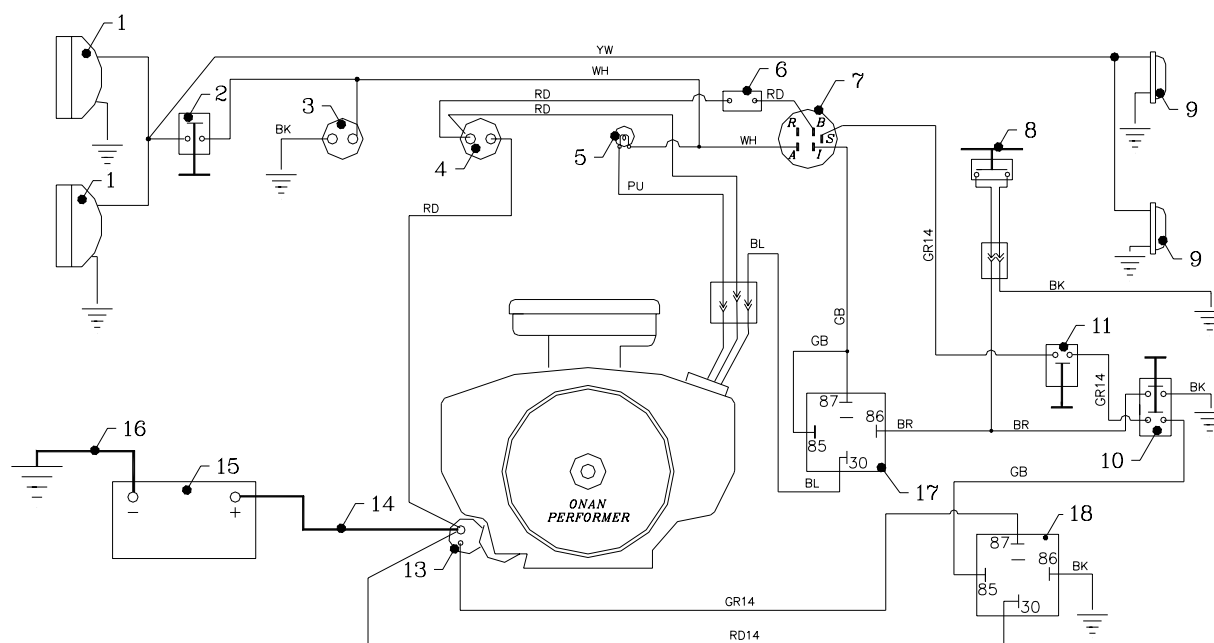
ALWAYS GIVE MODEL AND SERIAL NUMBER WHEN ORDERING SERVICE PARTS

Model 420 begins with Serial Number 1001

Onan Electrical
Figure 1



(Serial No. 1001 - 2999)



(Serial No. 3000 - 3552)

Color Legend
BB = Blue with Black stripe
GB = Gray with Blue stripe
OR = Orange
WB = White with Black stripe

BK = Black
GR = Green
PU = Purple
WH = White

BL = Blue
GR14 = Green 14 gauge
RD = Red
WO = White with Orange stripe

BR = Brown
GY = Gray
RD14 = Red 14 gauge
YW = Yellow

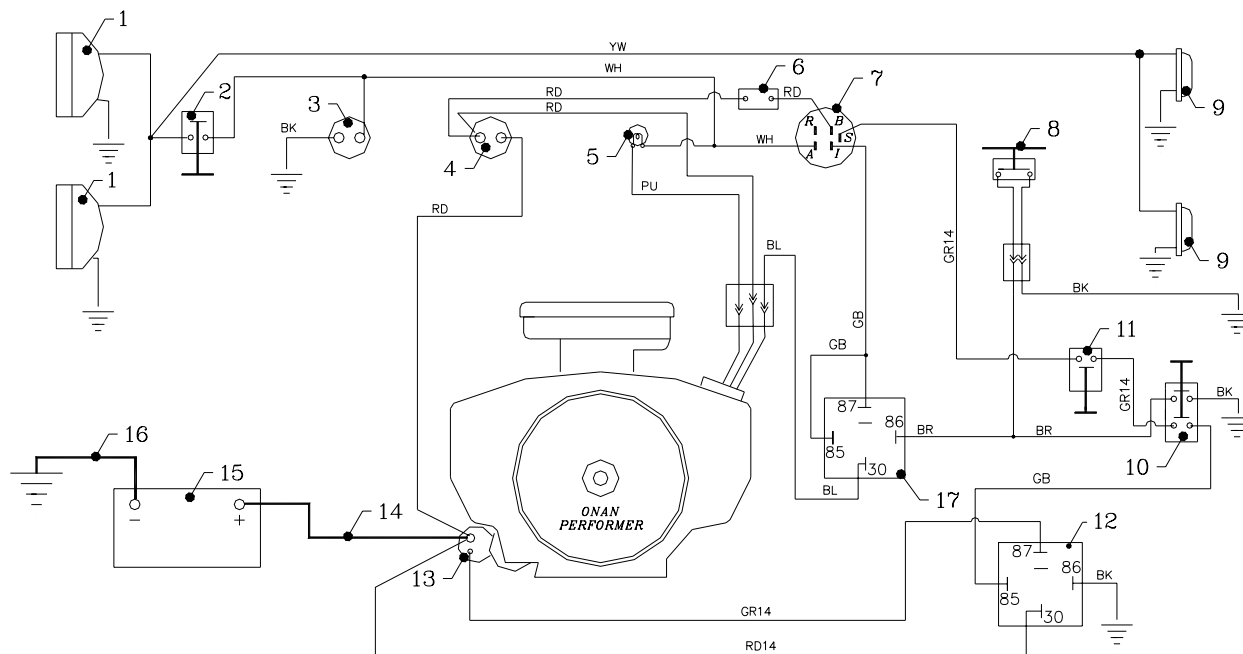
Parts List for Figure 1 (Onan Serial No. 1001 - 3552)

Ref	Part no.	Description	Quantity
1	33-006	Head Light (Serial No. 1001 - 2644)	2
	33-017	Head Light (Serial No. 2645 -)	2
2	31-003	Light Switch	1
3	35-014	Hour Meter	1
4	35-016	Ammeter	1
5	33-007	Oil Pressure Light	1
	13-309-0546	Oil Pressure Sending Unit	1
6	30-059	Circuit Breaker	1
7	31-002	Ignition Switch	1
	31-002A	Ignition Key for 31-002 Switch	1
8	31-012	Seat Switch (Serial No. 1001 - 3612)	1
9	33-008	Tail Light	2
10	31-004	PTO Switch (Serial No. 1001 - 2999)	1
	31-011	PTO Switch, 4 terminal (Serial No. 3000 -)	1
11	31-004	Neutral Switch	1
	93-07	Mounting nut for 31-004	1
12	35-059	Interlock Module (Serial No. 1001 - 2999)	1
13	13-191-1949-04	Starter	1
14	30-125	Battery Cable, To Starter (48" long)	1
	30-098	Cover Pos. Battery Terminal (Red)	1
15	33-002	Battery, Group 22F (Serial No. 1001 - 1733)	1
	33-015	Battery, Group 26 (Serial No. 1734 -)	1
16	30-127	Battery Cable, Ground (19" long)	1
	30-105	Cover Neg. Battery Terminal (Black)	1
17	35-067	Relay (Serial No. 3000 -)	1
*	30-099	Wiring Harness, Complete (Serial No. 1001 - 2644)	1
*	30-140	Wiring Harness, Complete (Serial No. 2645 - 2999)	1
**	30-168(See Note:)	Wiring Harness, Complete (Serial No. 3000 - 3552)	1

* Not Illustrated

** Note: Order 30-283 Harness and 35-067 Starter Relay (See Fig. 1A, Page 1-3)

Onan Electrical
Figure 1A



(Serial No. 3553 -)

Color Legend
BB = Blue with Black stripe
GB = Gray with Blue stripe
OR = Orange
WB = White with Black stripe

BK = Black
GR = Green
PU = Purple
WH = White

BL = Blue
GR14 = Green 14 gauge
RD = Red
WO = White with Orange stripe

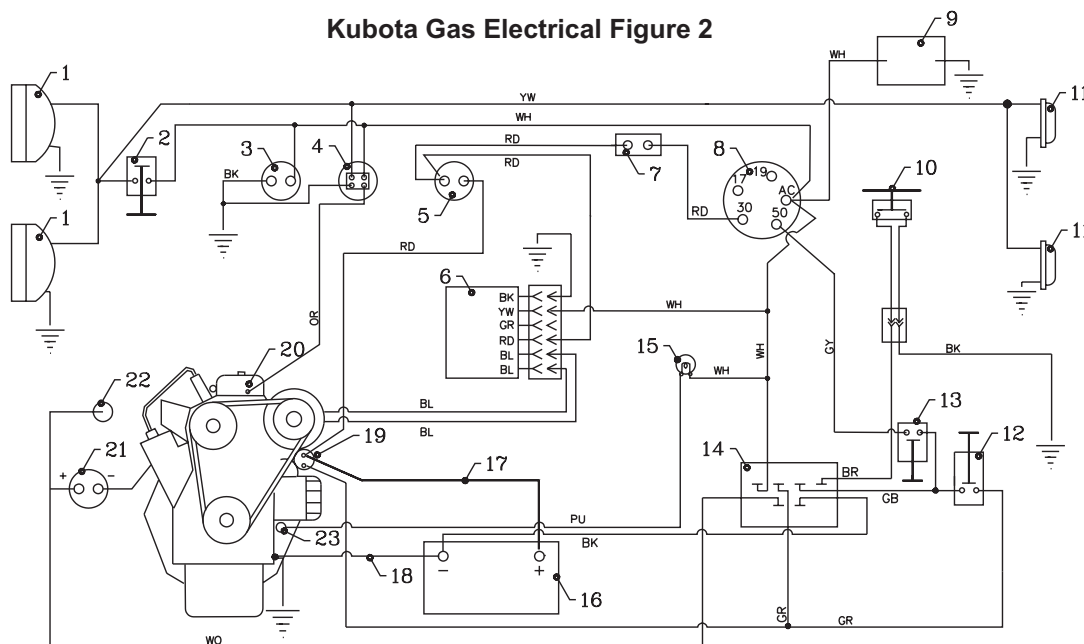
BR = Brown
GY = Gray
RD14 = Red 14 gauge
YW = Yellow

Parts List for Figure 1A (Onan Serial No. 3553 -)

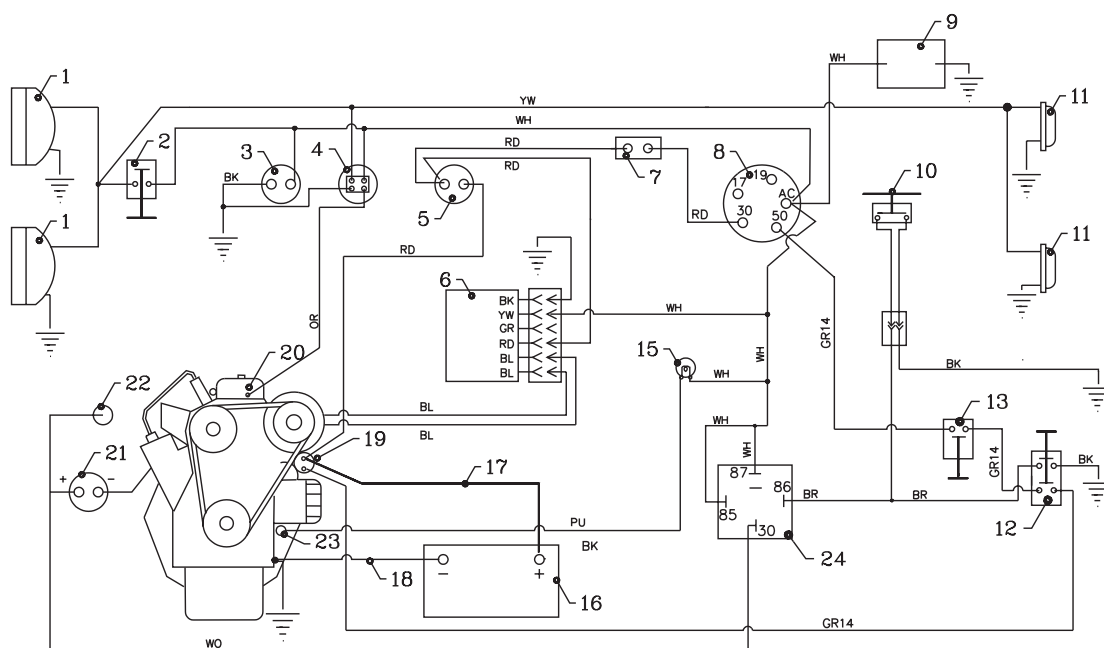
Ref	Part no.	Description	Quantity
1	33-017	Head Light	2
2	31-003	Light Switch	1
3	35-014	Hour Meter	1
4	35-016	Ammeter	1
5	33-007	Oil Pressure Light (Serial No. 1001 - 5197)	1
	13-309-0546	Oil Pressure Sending Unit	1
	33-014	Bulb, Oil Pressure Indicator Light (Ser. No. 5198 -)	1
	33-027	Lens, Oil Pressure Indicator Light (Ser. No. 5198 -)	1
	33-030	Nut, 3/4 Fine for Oil Light (Ser. No. 5198 -)	1
	33-029	Lockwasher, 3/4 Shakeproof (Ser. No. 5198 -)	1
6	30-059	Circuit Breaker	1
7	31-002	Ignition Switch	1
	31-002A	Ignition Key for 31-002 Switch	1
8	31-012	Seat Switch (Serial No. 1001 - 3612)	1
	31-032	Seat Switch (Serial No. 3613 -)	1
	99-K31	Flange Bolt, 1/4 x 1/2 for Seat Switch 31-032	2
	30-242	Pigtail for Seat Switch 31-032	1
9	33-008	Tail Light	2
10	31-011	PTO Switch, 4 terminal	1
11	31-004	Neutral Switch	1
	93-07	Mounting nut for 31-004	1
12	35-067	Relay, Starter (Serial No. 3553 -)	1
13	13-191-1949-04	Starter	1
14	30-125	Battery Cable, To Starter (48" long)	1
	30-098	Cover Pos. Battery Terminal (Red)	1
15	33-015	Battery, Group 26 (Serial No. 1734 -)	1
16	30-127	Battery Cable, Ground (19" long)	1
	30-105	Cover Neg. Battery Terminal (Black)	1
17	35-067	Relay (Serial No. 3000 -)	1
*	30-283	Wiring Harness, Complete (3553 -)	1

* Not Illustrated

Kubota Gas Electrical Figure 2



(Serial No. 1001 - 2999)



(Serial No. 3000 - 3552)

Color Legend
BB = Blue with Black stripe
GB = Gray with Blue stripe
OR = Orange
WB = White with Black stripe

BK = Black
GR = Green
PU = Purple
WH = White

BL = Blue
GR14 =Green 14 gauge
RD = Red
WO = White with Orange stripe

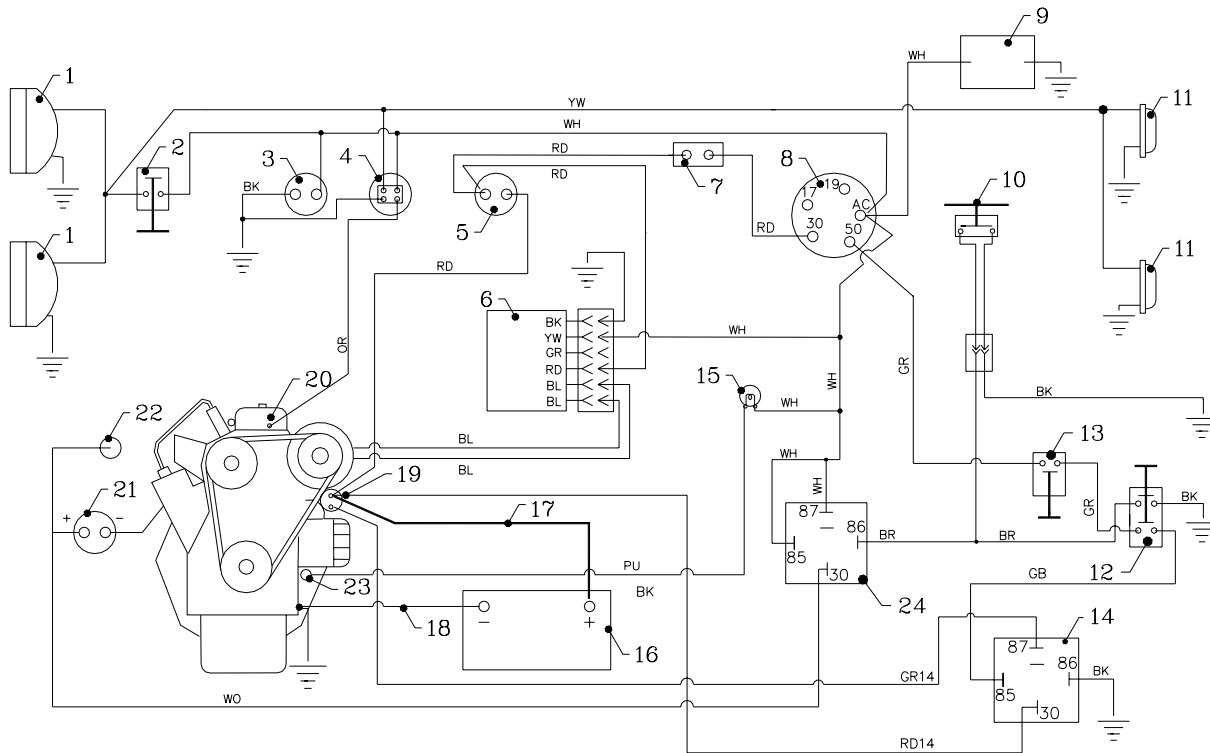
BR = Brown
GY = Gray
RD14 =Red 14 gauge
YW = Yellow

Parts List for Figure 2 (Kubota Gas Serial No. 1001 - 3552)

Ref	Part no.	Description	Quantity
1	33-006	Head Light (Serial No. 1001 - 2644)	2
	33-017	Head Light (Serial No. 2645 -)	2
2	31-003	Light Switch	1
3	35-014	Hour Meter	1
4	13-19488-83032	Temperature Gauge	1
5	35-016	Ammeter	1
6	13-19267-64602	Kubota Regulator	1
7	30-059	Circuit Breaker	1
8	13-66706-55120	Ignition Switch	1
	13-66711-55140	Ignition Key	1
9	13-12584-52031	Electric Fuel Pump (Gas)	1
10	31-012	Seat Switch	1
11	33-008	Tail Light	2
12	31-004	PTO Switch (Serial No. 1001-2999)	1
	31-011	PTO Switch (Serial No. 3000 -)	1
13	31-004	Neutral Switch	1
	93-07	Mounting nut for 31-004	1
14	35-059	Interlock Module (Serial No. 1001-2999)	1
15	33-007	Oil Pressure Light	1
16	33-002	Battery, Group 22F (Serial No. 1001 - 1733)	1
	33-015	Battery, Group 26 (Serial No. 1734 -)	1
17	30-165	Battery Cable, To Starter (89" long)	1
	30-098	Cover Pos. Battery Terminal (Red)	1
18	30-064	Battery Cable, Ground (89" long)	1
	30-105	Cover Neg. Battery Terminal (Black)	1
19	13-15852-63010	Starter	1
20	13-31351-32831	Water Temperature Sender	1
21	13-15661-68900	Ignition Coil	1
22	13-12581-45380	Fuel Solenoid Valve Kit	1
23	13-028	Oil Pressure Switch	1
24	35-067	Relay (Serial No. 3000 -)	1
*	30-101	Wiring Harness, Complete (Serial No. 1001 - 2644)	1
*	30-142	Wiring Harness, Complete (Serial No. 2645 - 2999)	1
*	30-169	Wiring Harness, Complete (Serial No. 3000 -)	1

* Not Illustrated

Kubota Gas Electrical Figure 2A



(Serial No. 3553 -)

Color Legend

BB = Blue with Black stripe
GB = Gray with Blue stripe
OR = Orange
WB = White with Black stripe

BK = Black
GR = Green
PU = Purple
WH = White

BL = Blue
GR14 = Green 14 gauge
RD = Red
WO = White with Orange stripe

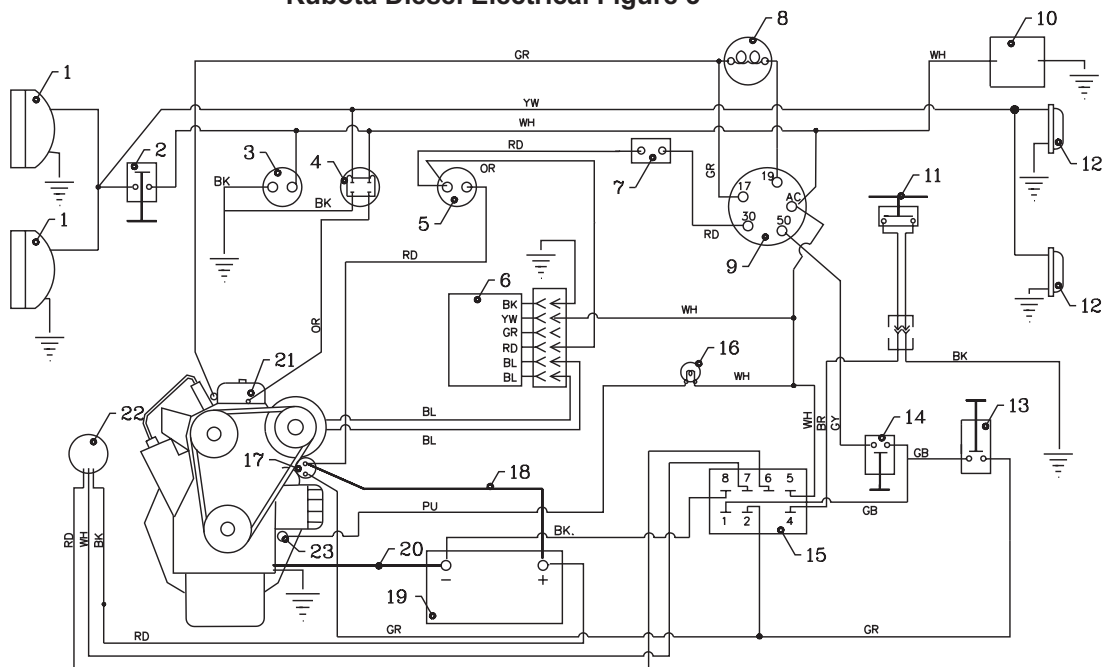
BR = Brown
GY = Gray
RD14 = Red 14 gauge
YW = Yellow

Parts List for Figure 2A (Kubota Gas Serial No. 3553 -)

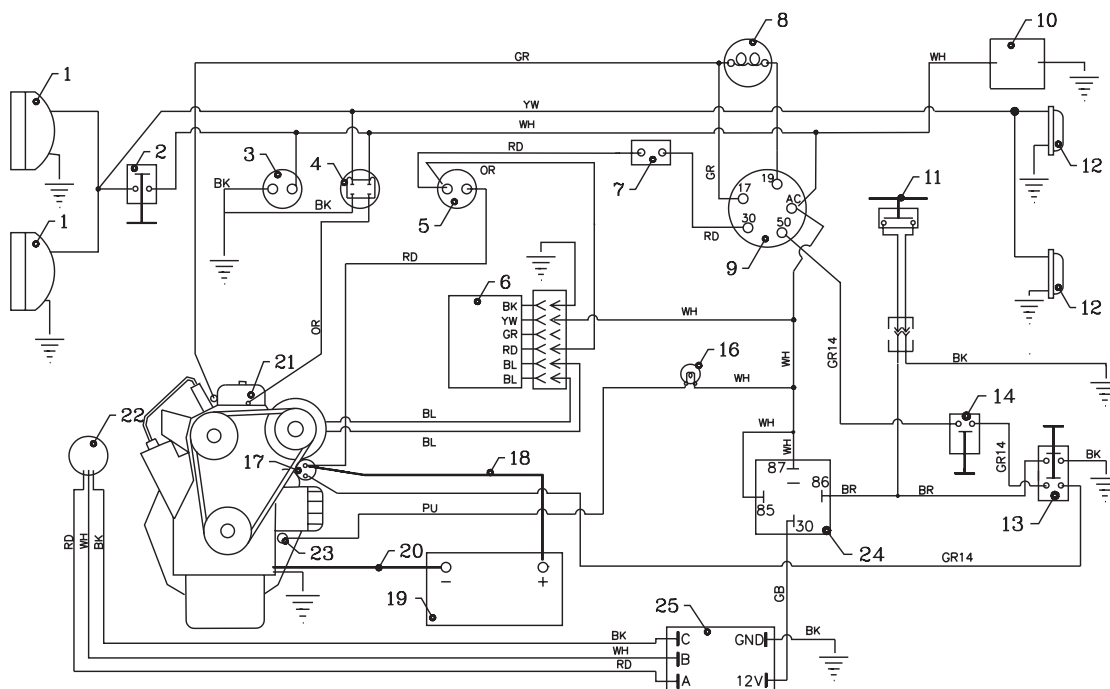
Ref	Part no.	Description	Quantity
1	33-017	Headlight, Sealed Beam	2
2	31-003	Switch, Light	1
3	35-014	Hour Meter	1
4	13-19488-83032	Gauge, Water Temperature	1
5	35-016	Gauge, Ammeter	1
6	13-19267-64602	Regulator, Kubota	1
7	30-059	Breaker, Circuit 30 amp	1
8	13-66706-55120	Switch, Ignition	1
	13-66711-55140	Key, Ignition	1
9	13-12584-52031	Pump, Electric. Fuel	1
10	31-012	Switch, Seat (Serial No. 1001 - 3612)	1
	31-032	Seat Switch (Serial No. 3613 -)	1
	99-K31	Flange Bolt, 1/4 x 1/2 for Seat Switch 31-032	2
	30-242	Pigtail for Seat Switch 31-032	1
11	33-008	Tail Light, Red	2
12	31-011	Switch, PTO	1
13	31-004	Switch, Neutral	1
	93-07	Mounting Nut for 31-004	1
14	35-067	Relay, Starter (Serial No. 3553 -)	1
15	33-007	Light, Oil Pressure (Serial No. 1001 - 5197)	1
	33-026	Bulb, Oil Pressure Indicator Light (Ser. No. 5198 -)	1
	33-027	Lens, Oil Pressure Indicator Light (Ser. No. 5198 -)	1
	33-030	Nut, 3/4 Fine for Oil Light (Ser. No. 5198 -)	1
	33-029	Lockwasher, 3/4 Shakeproof (Ser. No. 5198 -)	1
16	33-015	Battery, Group 26	1
17	30-165	Battery Cable, 89" Long	1
	30-098	Cover, Pos. Battery Terminal (Red)	1
18	30-064	Battery Cable, 89" Long	1
	30-105	Cover, Neg. Battery Terminal (Black)	1
19	13-15852-63010	Starter	1
20	13-31351-32831	Sender, Water Temperature	1
21	13-15661-68900	Ignition Coil	1
22	13-12581-45380	Kit, Fuel Solenoid Valve	1
23	13-028	Switch, Oil Pressure	1
24	35-067	Relay	1
*	30-169	Wire Harness, 420 Kubota Gas	1

* Not Illustrated

Kubota Diesel Electrical Figure 3



(Serial No. 1001 - 2999)



(Serial No. 3000 - 3552)

Color Legend

BB = Blue with Black stripe
GB = Gray with Blue stripe
OR = Orange
WB = White with Black stripe

BK = Black
GR = Green
PU = Purple
WH = White

BL = Blue
GR14 = Green 14 gauge
RD = Red
WO = White with Orange stripe

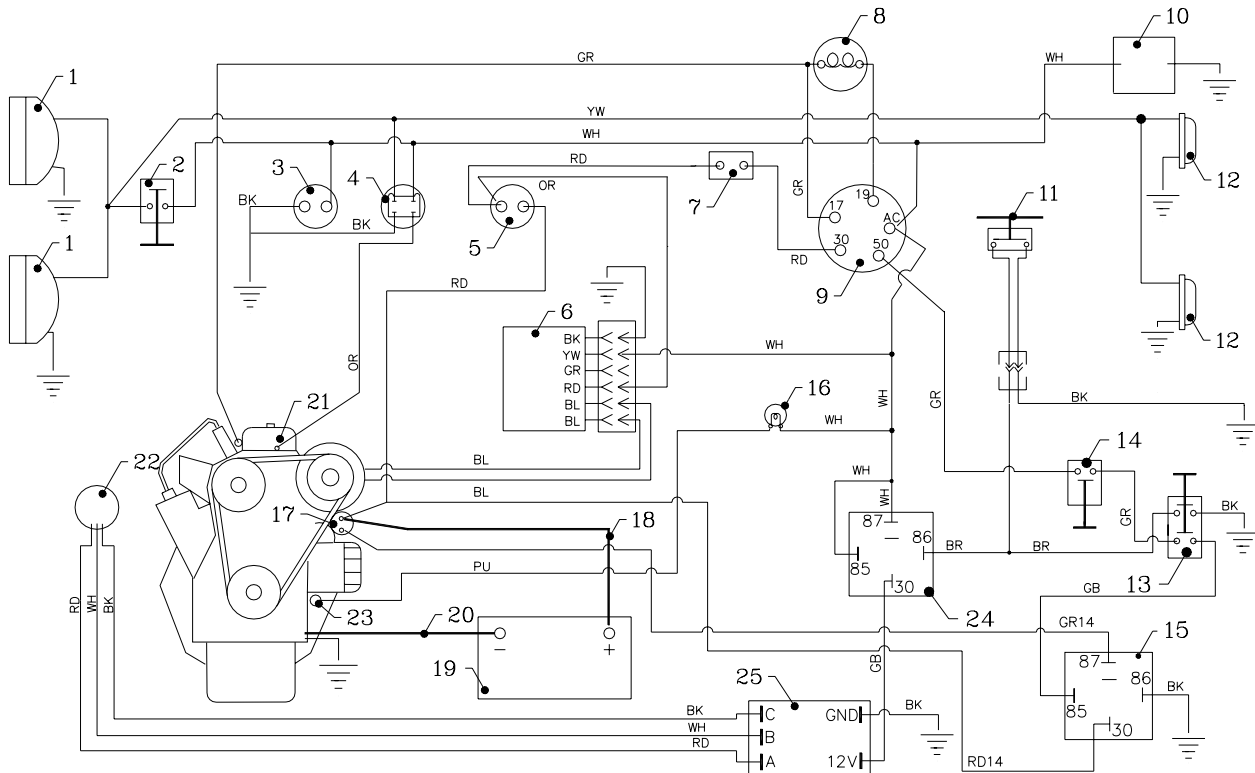
BR = Brown
GY = Gray
RD14 = Red 14 gauge
YW = Yellow

Parts List for Figure 3 (Kubota Diesel Serial No. 1001 - 3552)

Ref	Part no.	Description	Quantity
1	33-006	Head Light (Serial No. 1001 - 2644)	2
	33-017	Head Light (Serial No. 2645 -)	2
2	31-003	Light Switch	1
3	35-014	Hour Meter	1
4	13-19488-83032	Water Temperature Gauge	1
5	35-016	Ammeter	1
6	13-19267-64602	Kubota Regulator	1
7	30-059	Circuit Breaker	1
8	13-15521-65950	Glow Plug Indicator	1
9	13-66706-55120	Ignition Switch	1
	13-66711-55140	Ignition Key	1
10	13-68371-51211	Electric Fuel Pump (Diesel)	1
11	31-012	Seat Switch	1
12	33-008	Tail Light	2
13	31-004	PTO Switch (Serial No. 1001-2999)	1
	31-011	PTO Switch (Serial No. 3000 -)	1
14	31-004	Neutral Switch	1
	93-07	Mounting nut for 31-004	1
15	35-060	Interlock Module (Serial No. 1001-2999)	1
16	33-007	Oil Pressure Light	1
17	13-15852-63010	Starter	1
18	30-149	Battery Cable, To Starter (89" long)	1
	30-098	Cover Pos. Battery Terminal (Red)	1
19	33-013	Battery, Group 22F (Serial No. 1001 - 1733)	1
	33-015	Battery, Group 26 (Serial No. 1734 -)	1
20	30-090	Battery Cable, Ground (89" long)	1
	30-105	Cover Neg. Battery Terminal (Black)	1
21	13-31351-32831	Water Temperature Sender	1
22	35-049	Stop Solenoid	1
23	13-028	Oil Pressure Switch	1
24	35-067	Relay (Serial No. 3000 -)	1
25	35-051	Solenoid Module (Serial No. 3000 -)	1
*	30-100	Wiring Harness, Complete (Serial No. 1001 - 2644)	1
*	30-141	Wiring Harness, Complete (Serial No. 2645 - 2999)	1
*	30-172	Wiring Harness, Complete (Serial No. 3000 -)	1

* Not Illustrated

Kubota Diesel Electrical Figure 3A



(Serial No. 3553 -)

Color Legend

BB = Blue with Black stripe
GB = Gray with Blue stripe
OR = Orange
WB = White with Black stripe

BK = Black
GR = Green
PU = Purple
WH = White

BL = Blue
GR14 = Green 14 gauge
RD = Red
WO = White with Orange stripe

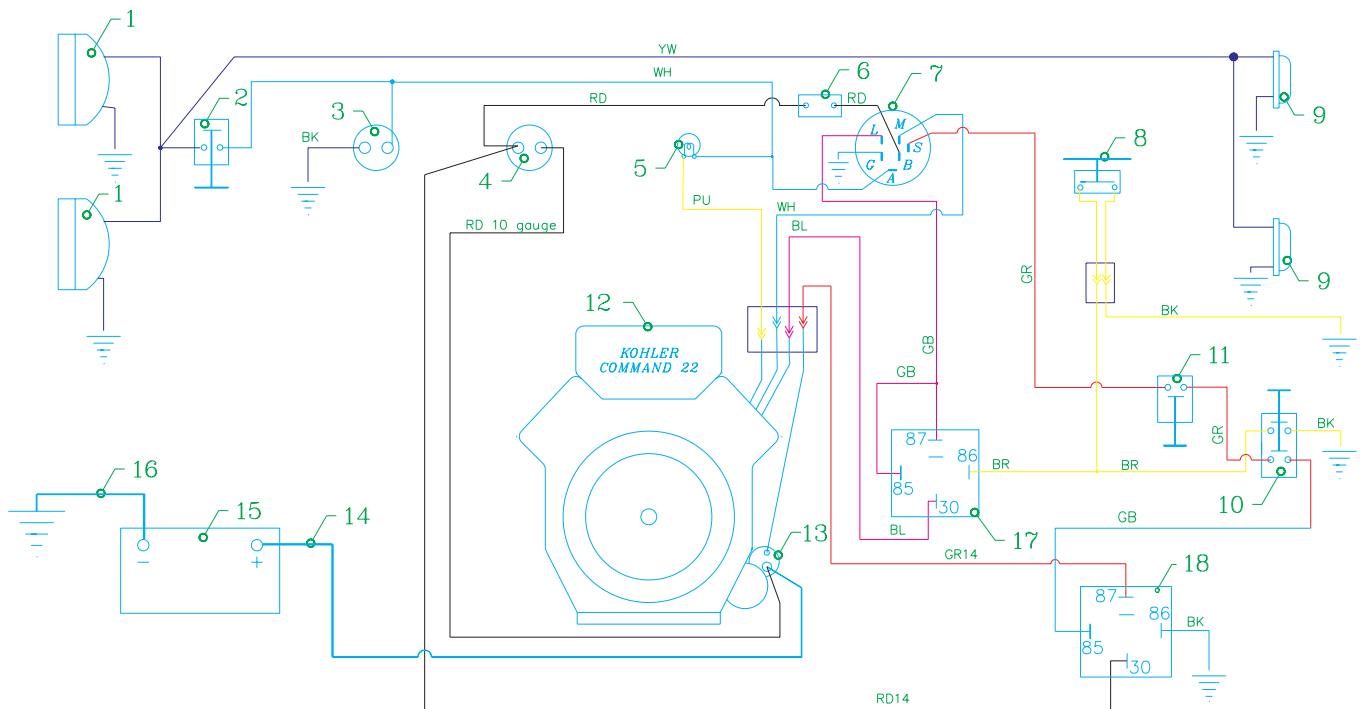
BR = Brown
GY = Gray
RD14 = Red 14 gauge
YW = Yellow

Parts List for Figure 3A (Kubota Diesel Serial No. 3553 -)

Ref	Part no.	Description	Quantity
1	33-017	Headlight, Sealed Beam	2
2	31-003	Switch, Light	1
3	35-014	Hour Meter	1
4	13-19488-83032	Gauge, Water Temperature	1
5	35-016	Gauge, Ammeter	1
6	13-19267-64602	Regulator, Kubota	1
7	30-059	Breaker, Circuit 30 amp	1
8	13-15521-65950	Lamp, Glow Plug Indicator	1
9	13-66706-55120	Switch, Ignition	1
	13-66711-55140	Key, Ignition	1
10	13-68371-51211	Pump, Electric Fuel	1
11	31-012	Switch, Seat (Serial No. 1001 - 3612)	1
	31-032	Seat Switch (Serial No. 3613 -)	1
	99-K31	Flange Bolt, 1/4 x 1/2 for Seat Switch 31-032	2
	30-242	Pigtail for Seat Switch 31-032	1
12	33-008	Tail Light, Red	2
13	31-011	Switch, PTO	1
14	31-004	Switch, Neutral	1
	93-07	Mounting Nut for 31-004	1
15	35-067	Relay, Starter (Serial No. 3553 -)	1
16	33-007	Light, Oil Pressure (Serial No. 1001 - 5197)	1
	33-026	Bulb, Oil Pressure Indicator Light (Ser. No. 5198 -)	1
	33-027	Lens, Oil Pressure Indicator Light (Ser. No. 5198 -)	1
	33-030	Nut, 3/4 Fine for Oil Light (Ser. No. 5198 -)	1
	33-029	Lockwasher, 3/4 Shakeproof (Ser. No. 5198 -)	1
17	13-15852-63010	Starter	1
18	30-149	Battery Cable, 89" Long	1
	30-098	Cover, Pos. Battery Terminal (Red)	1
19	33-015	Battery, Group 26	1
20	30-090	Battery Cable, 89" Long	1
	30-105	Cover, Neg. Battery Terminal (Black)	1
21	13-31351-32831	Sender, Water Temperature	1
22	35-049	Solenoid	1
23	13-028	Switch, Oil Pressure	1
24	35-067	Relay	1
25	35-051	Module, Solenoid	1
	30-172	Wire Harness, 420 Kubota Diesel	1

* Not Illustrated

Kohler Electrical Figure 4



Color Legend
 BB = Blue with Black stripe
 GB = Gray with Blue stripe
 OR = Orange
 WB = White with Black stripe

BK = Black
 GR = Green
 PU = Purple
 WH = White

BL = Blue
 GR14 = Green 14 gauge
 RD = Red
 WO = White with Orange stripe

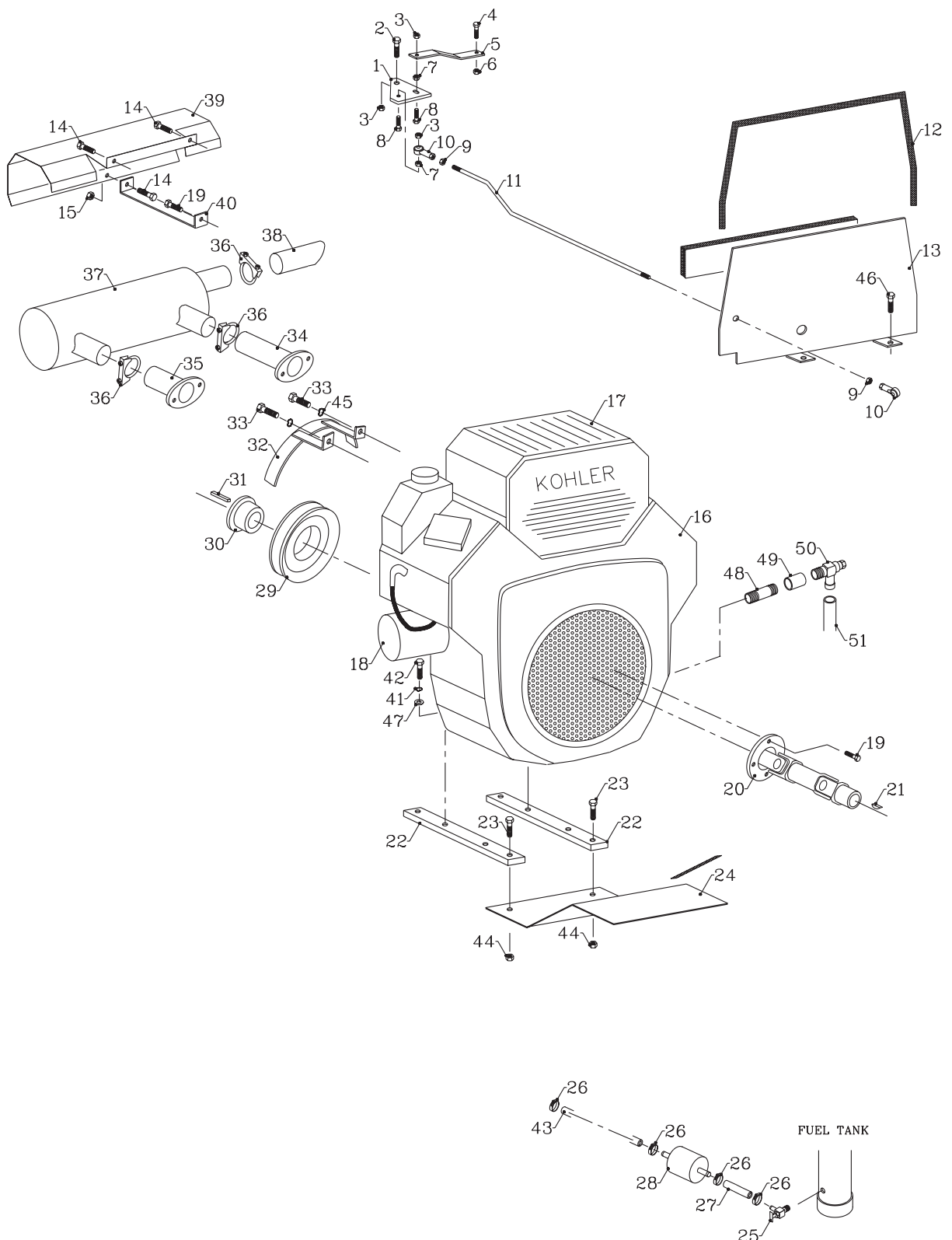
BR = Brown
 GY = Gray
 RD14 = Red 14 gauge
 YW = Yellow

Parts List for Figure 4 (Kohler Engine)

Ref	Part no.	Description	Quantity
1	33-017	Headlight, Sealed Beam	2
2	31-003	Switch, Light	1
3	35-014	Hour Meter	1
4	35-016	Gauge, Ammeter	1
5	33-007	Light, Oil Pressure (Serial No. 1001 - 5197)	1
	33-026	Bulb, Oil Pressure Indicator Light (Ser. No. 5198 -)	1
	33-027	Lens, Oil Pressure Indicator Light (Ser. No. 5198 -)	1
	33-030	Nut, 3/4 Fine for Oil Light (Ser. No. 5198 -)	1
	33-029	Lockwasher, 3/4 Shakeproof (Ser. No. 5198 -)	1
6	30-059	Breaker, Circuit 30 amp	1
7	31-033	Key Switch	1
8	31-032	Switch, Seat	1
	30-242	Pigtail for Seat Switch 31-032	1
9	33-008	Tail Light, Red	2
10	31-011	Switch, PTO	1
11	31-004	Switch, Neutral	1
	93-07	Mounting Nut for 31-004	1
12	13-068	Engine, Kohler	1
13	REF	Starter	1
14	30-125	Battery Cable, 48" Long	1
	30-098	Cover, Pos. Battery Terminal (Red)	1
15	33-015	Battery, Group 26	1
16	30-127	Battery Cable, 19" Long	1
	30-105	Cover, Neg. Battery Terminal (Black)	1
17	35-067	Relay	1
18	35-067	Relay, Starter	1
*	30-245	Wiring Harness, Complete (Kohler)	1

* Not Illustrated

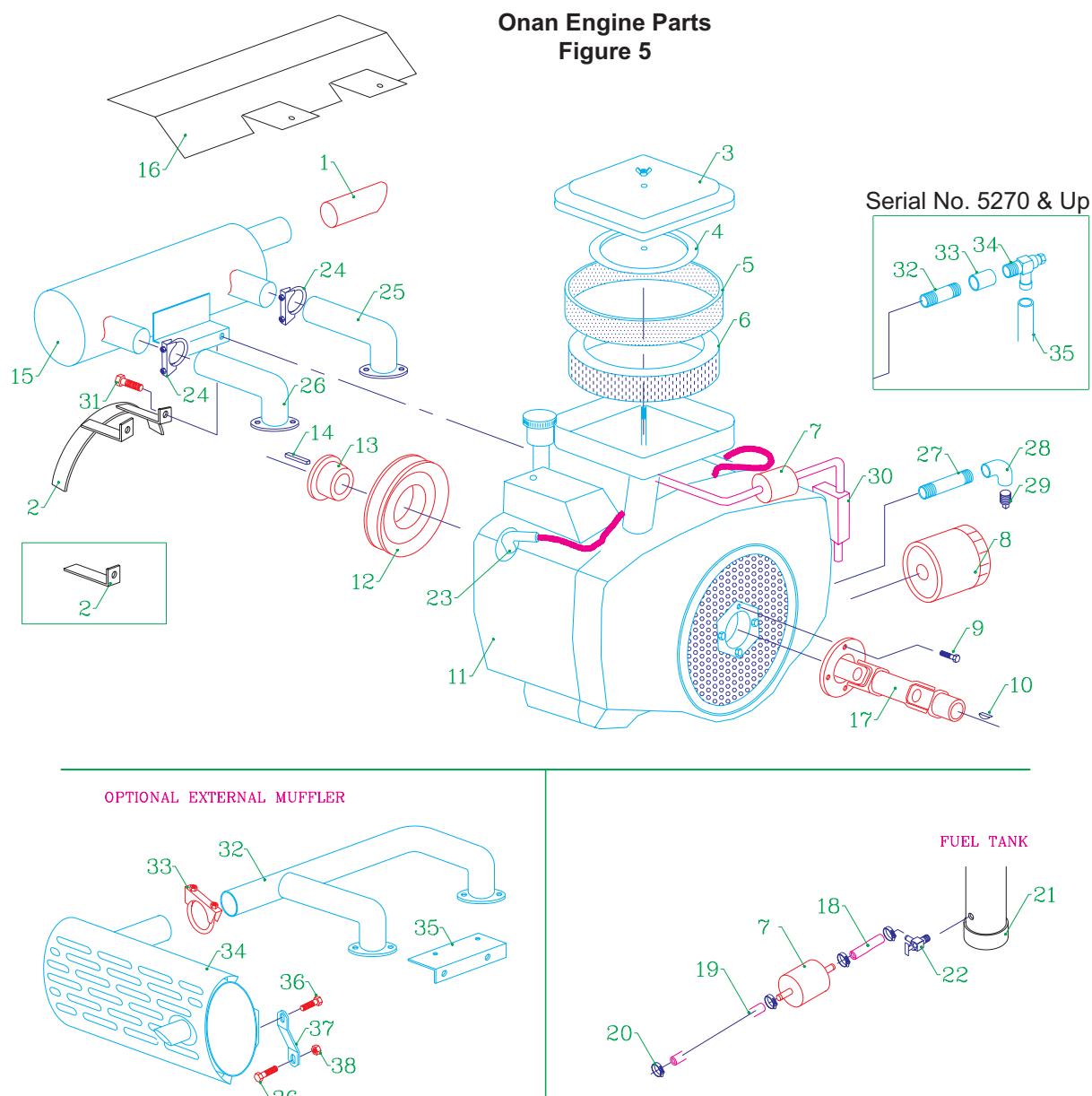
Kohler Engine Parts
Figure 4A



Parts List for Figure 4A

Ref	Part no.	Description	Quantity
1	64-822	Plate, Throttle	1
2	99-K53	Bolt, Shoulder 5/16 x 3/8	1
3	99-A04	Locknut, Stover 1/4-20 NC	3
4	01-022	Screw, Machine 6-32 X 1/2	1
5	42-488	Link, Throttle Control	1
6	01-023	Nut, #6-32	1
7	94-04	Flat Washer, 1/4	2
8	99-K51	Bolt, Flange 1/4-20 X 1-1/4	2
9	93-04	Nut, 1/4-28 NF	2
10	43-004A	Rod End, 1/4"	2
11	42-487	Rod, Throttle	1
12	56-068-35	Seal, Trim-seal 35" long	1
13	60-623	Shield, Heat	1
	Q7475-17	Weatherstrip, 1/2 x 2 x 17" long	1
14	99-K31	Flange Bolt 1/4-20 X 1/2	3
15	99-E20	Flange Nut, 1/4-20	3
16	13-068	Engine, Kohler 22 HP	1
17	13-47-083-03	Air Filter	1
	13-24-083-02	Precleaner	1
18	13-12-050-01	Oil Filter	1
19	07-0812525	Bolt, M8-1.25 X 25	5
20	87-172	Shaft, Drive	1
21	85-W0305	Key, Woodruff 3/16 X 5/8	1
22	64-821	Plate, Adapter	2
23	90-0510	Bolt, 5/16-18 X 1-1/4	4
24	60-622	Shield, Front Motor	1
	56-027-04	Trim-loc Trim 4" long	1
25	29-016	Valve, Fuel	1
26	11-017	Clamp, Hose	4
27	27-001-02	Hose, Fuel Line 2"	1
28	13-021	Fuel Filter	1
29	83-BK60H	Pulley	1
30	83-H18	Bushing, 1-1/8"	1
31	85-K0410	Key, 1/4 X 1/4 X 1-1/4	1
32	60-627	Retainer, Pto Belt	1
33	90-0708	Bolt, 7/16-14 X 1	2
34	14-096	Manifold, Exhaust RH	1
	13-2404102	Gasket, Manifold	2
35	14-097	Manifold, Exhaust LH	1
	13-2404102	Gasket, Manifold	1
36	11-034	Clamp, Muffler 1-1/4"	3
37	14-098	Muffler	1
38	14-049	Extension, Muffler	1
39	60-621	Shield, Heat	1
40	64-823	Bracket, Heat Shield	1
41	96-05	Lock Washer, 5/16	4
42	90-0512	Bolt, 5/16-18 X 1-1/2	4
43	27-001-54	Hose, Fuel Line 54"	1
44	99-E12	Flange Nut, 5/16-18	4
45	96-07	Lock Washer, 7/16	2
46	99-K27	Bolt, Flange 1/4-20 X 1	2
47	95-05	Flat Washer, 5/16 SAE	4
48	29-062	Pipe Nipple, 3/8 x 2 NPT (Serial No. 5246 -)	1
49	29-044	Pipe Coupling, 3/8 NPT (Serial No. 5246 -)	1
50	13-075	Valve, Oil Drain (Serial No. 5246 -)	1
51	27-004	Hose, 1/2 Push Lock (Serial No. 5246 -)	1

Onan Engine Parts
Figure 5



Parts List for Figure 5

Ref	Part no.	Description	Quantity
1	14-009	Extension, Muffler	1
	11-028	Muffler Clamp	1
2	64-179	Belt Retainer (Serial No. 1001 - 2999)	1
	64-740	Belt Retainer (Serial No. 3000 -)	1
3	13-140-1663	Cover, Air Cleaner (Serial No. 1001 - 2665)	1
	13-140-1913-02	Cover, High-Capacity Air Cleaner (Serial No. 2666 -)	1
4	13-140-1692	Plate, Air Filter	1
5	13-007	Precleaner (Serial No. 1001 - 2665)	1
	13-140-1912	Precleaner, High-Capacity Air Cleaner (Serial No. 2666 -)	1
6	13-006	Air Filter (Serial No. 1001 - 2665)	1
	13-140-2628-02	Air Filter, High-Capacity Air Cleaner (Serial No. 2666 -)	1
7	13-021	Fuel Filter (at engine, if used)	1
	13-021	Fuel Filter (at tank, Serial No. 1707 -)	1
8	13-011	Oil Filter	1

Parts List for Figure 5 (continued)

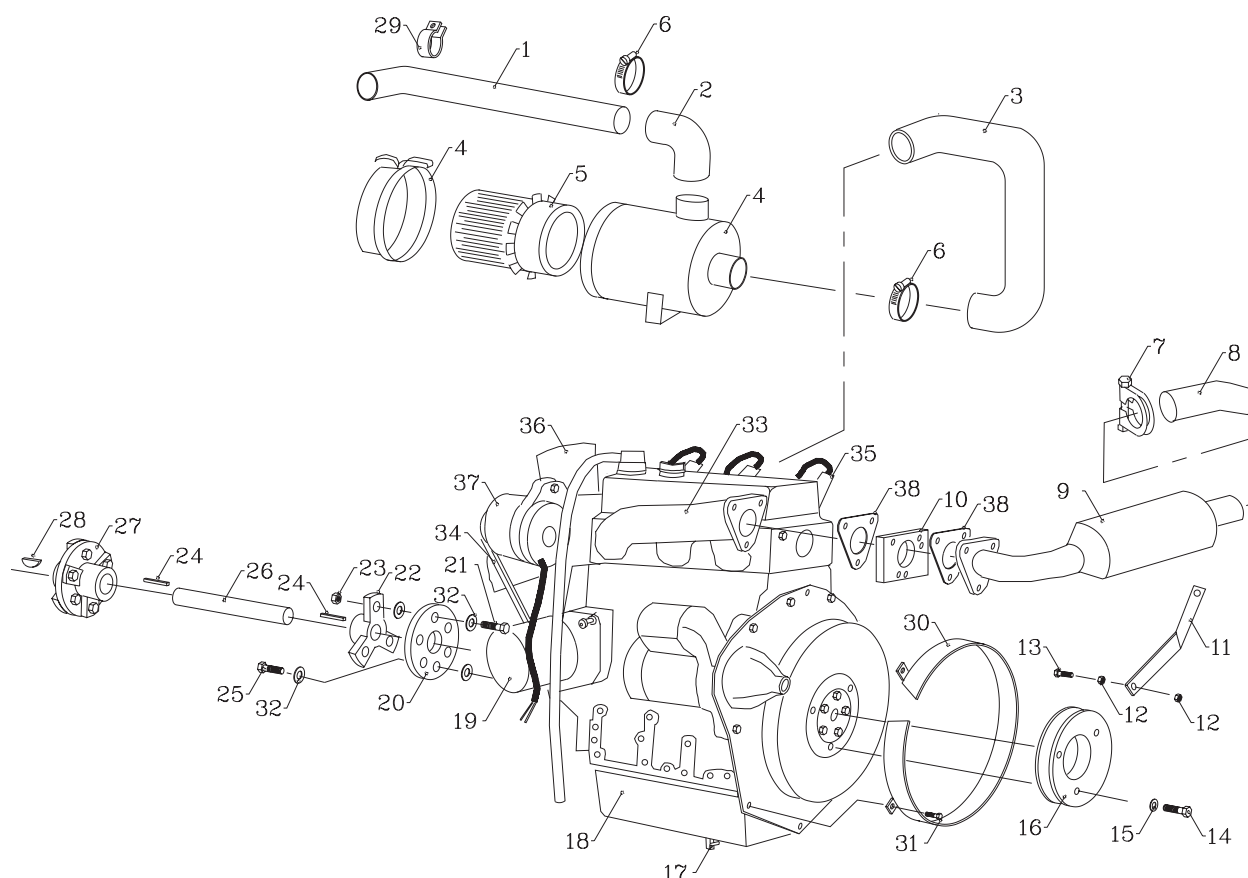
Ref	Part no.	Description	Quantity
9	90-0506	Bolt, 5/16 x 3/4	4
	96-05	Lock Washer, 5/16	4
10	85-W0305	Woodruff Key	1
11	13-033	Onan Engine, P220 (Serial No. 1001 - 2665) Sub 13-060	1
	13-060	Onan Engine, P220 w/High-Cap Air Clnr (Ser. No. 2666 -)	1
12	83-BK60H	Pulley	1
13	83-H18	Bushing	1
14	85-K0410	Key	1
15	13-018	Muffler with Bracket	1
	14-039	Bracket Only	1
16	60-268	Shield, Engine Heat	1
17	87-116	Powershaft	1
18	27-001-02	Fuel Line, 2"	1
19	27-001-54	Fuel Line, 54"	1
20	11-017	Hose Clamp	4
21	29-015	Cap	1
22	29-016	Fuel Valve	1
23	13-167-0272	Spark Plug (Champion RS17YX)	2
	13-167-1602	Cable, Spark Plug	2
24	11-034	Clamp, Muffler	2
25	13-154-2343	Exhaust Manifold, Right	1
26	13-154-2344	Exhaust Manifold, Left	1
27	29-019	Nipple, Oil Drain (Serial No. 1001 - 5269)	1
28	29-020	Elbow, Oil Drain (Serial No. 1001 - 5269)	1
29	29-049	Pipe Plug, Oil Drain (Serial No. 1001 - 5269)	1
30	13-149-1982	Fuel Pump	1
31	99-K11	Flange Bolt, 3/8 x 3/4	2
*	13-110-3424-02	Short Block	1
*	13-110-3181	Gasket, Head	2
*	13-110-3508	Head, Left	1
*	13-110-3509	Head, Right	1
*	13-110-3709	Gasket, Valve Cover	3
*	13-168-0187	Complete Gasket Set	1
*	13-102-1387	Gasket, Oil Base	1
*	13-191-2106	Voltage Regulator	1
*	13-166-0785	Ignition Module	1
*	13-123-1871	Filter, Breather Tube	1
*	13-166-0761	Coil	1
*	13-146-0500	Carburetor Kit	1
*	13-146-0496	Carburetor	1
32	29-062	Pipe Nipple, 3/8 x 2 NPT (Serial No. 5270 -)	1
33	29-044	Pipe Coupling, 3/8 NPT (Serial No. 5270 -)	1
34	13-075	Valve, Oil Drain (Serial No. 5270 -)	1
35	27-004	Hose, 1/2 Push Lock (Serial No. 5270 -)	1

* Not Illustrated

NOTE: The LD300 loader and the BM425 boom mower cannot be mounted on 420 power units equipped with the optional 70-086 external muffler kit.

	70-086	External Muffler Kit (Optional) includes Ref. 32 - 38	1
32	13-541-0377	Exhaust Manifold	1
33	11-034	Muffler Clamp	1
34	14-050	Muffler	1
35	64-824	Bracket, Shield Support	1
36	99-K26	Flange Bolt, 1/4 x 3/4	2
37	64-825	Bracket, Muffler Support	1
38	99-E20	Flange Nut	2

**Kubota
Engine Parts
Figure 6**



Parts List for Figure 6

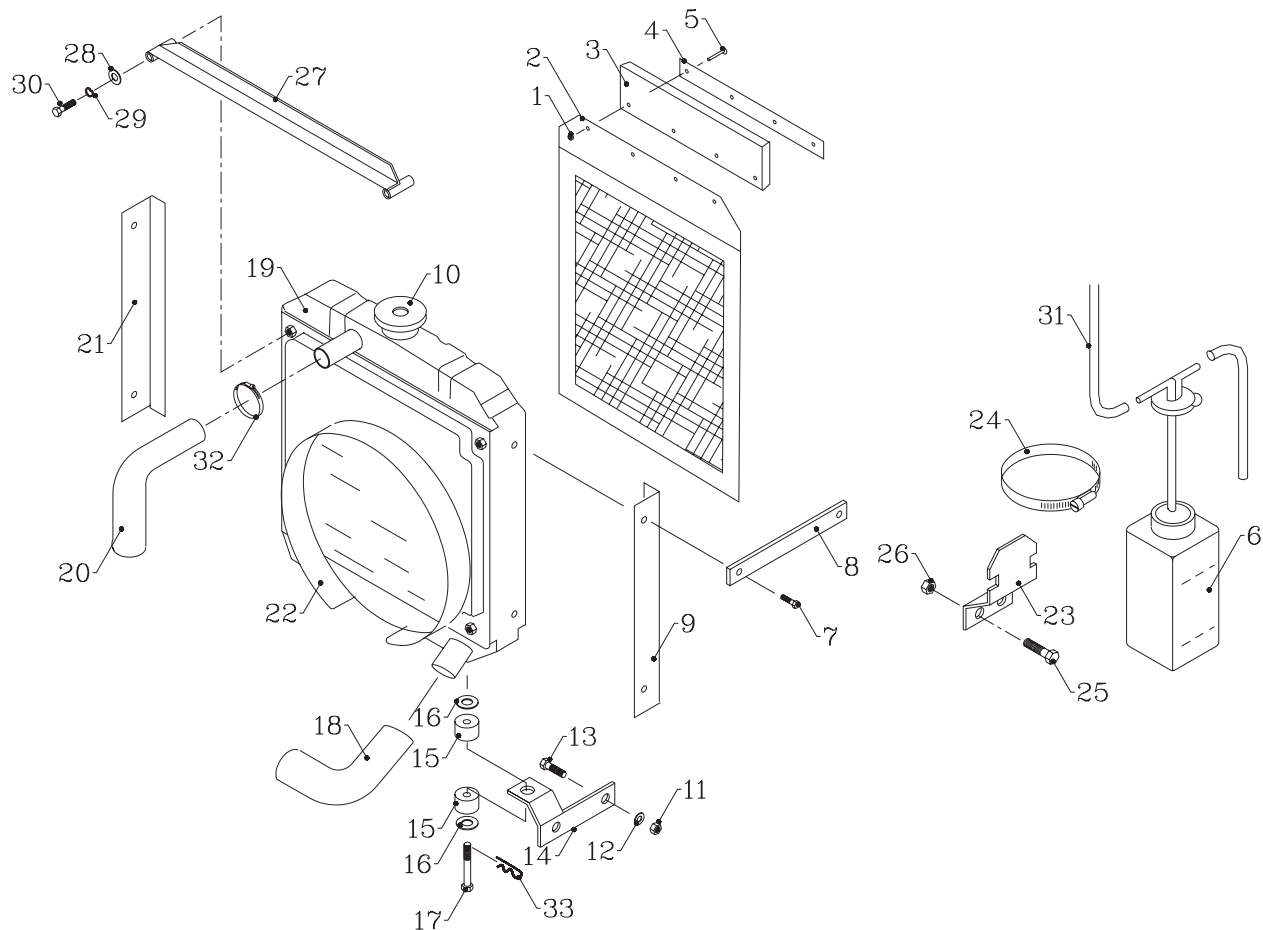
Ref	Part no.	Description	Quantity
1	13-042	Air Intake Tube	1
2	13-19461-11620	Air Intake Hose	1
3	13-048	Air Intake Hose, Kubota Gas	1
	13-049	Air Intake Hose, Kubota Diesel	1
4	13-15372-11010	Air Cleaner Assembly	1
	13-15241-11160	Cover, Air Cleaner	1
5	13-70000-11221	Element, Air Cleaner	1
6	11-022	Hose Clamp	4
7	13-66711-54421	Muffler Clamp	1
8	13-66711-54411	Pipe Extension	1
9	14-043	Muffler	1
10	14-028	Adapter, 3-bolt	1
	90-0516	Bolt, 5/16 x 2	1
	90-0508	Bolt, 5/16 x 1	2
	90-0506	Bolt, 5/16 x 3/4	1
	99-19	Bolt, 5/16 x 3/4 Socket Head	1
	96-05	Lock Washer	5
	99-G02	Lock Washer, High Collar	1
11	64-345	Muffler Brace	1

Parts List for Figure 6

Ref	Part no.	Description	Quantity
12	92-05	Nut, 5/16	3
13	90-0510	Bolt, 5/16 x 1-1/4	1
14	90-0616	Bolt, 3/8 x 2	3
15	96-06	Lock Washer, 3/8	3
16	82-061	Pulley, Special	1
17	13-029	Oil Drain Cock	1
18	13-031	Engine D600B Kubota Diesel	1
	13-034	Engine WG600B Kubota Gas	1
19	13-70000-15241	Engine Oil Filter	1
20	87-142	Coupler Disc	1
21	91-0510	Bolt, 5/16 x 1-1/4 NF	3
22	87-112	Coupler Flange	1
23	99-A05NF	Locknut, 5/16 NF	3
24	85-K0310	Key	2
25	07-0812520	Bolt, M8 x 20	3
26	80-178	Shaft	1
27	87-046	Coupler	1
	87-113	Coupler Disc	1
	87-112	Coupler Flange	2
	91-0510	Bolt, 5/16 x 1-1/4 NF	6
	99-A05NF	Locknut, 5/16 NF	6
	99-B27	Washer, Special Beaded	12
28	85-W0305	Woodruff Key	1
29	13-019	Clamp, Intake Tube	1
30	60-403	Shield, Flywheel	1
31	07-0812520	Bolt, M8 x 20	2
32	99-B27	Washer, Special Beaded	12
33	13-15862-12310	Exhaust Manifold, 3-Bolt Rear Outlet	1
34	13-15841-97010	Fan Belt	1
35	13-15951-65510	Glow Plug (D600 only)	3
	13-12691-67710	Spark Plug	3
36	13-15862-74110	Fan	1
37	13-15531-64013	Alternator	1
38	13-15852-12230	Gasket, Muffler 3-Hole	1
*	13-15861-01620	Gasket, Oil Pan	1
*	13-15861-14520	Gasket, Valve Cover	1
*	13-15861-03312	Gasket, Head (D600 only)	1
*	13-15841-12350	Gasket, Exhaust Manifold	3
*	13-15861-11820	Gasket, Intake Manifold	1
*	13-15841-53000	Injector	3
*	13-15841-53620	Injector Packing	3
*	13-15531-73010	Thermostat (D600 Only)	1
*	13-15676-73270	Gasket, Thermostat	1
*	13-15841-73430	Gasket, Water Pump	1
*	13-12581-03310	Gasket, Head (WG600 only)	1
*	13-19203-73010	Thermostat (WG600 only)	1
*	13-15661-68900	Coil (WG600 only)	1
*	13-12581-44010	Carburetor (WG600 only)	1
*	13-13961-46110	Carburetor Gasket, Manifold (WG600 only)	1
*	13-13961-11510	Carburetor Gasket, Inlet (WG600 only)	1
*	13-15852-52850	Fuel Pump Cover Plate	1

* Not Illustrated

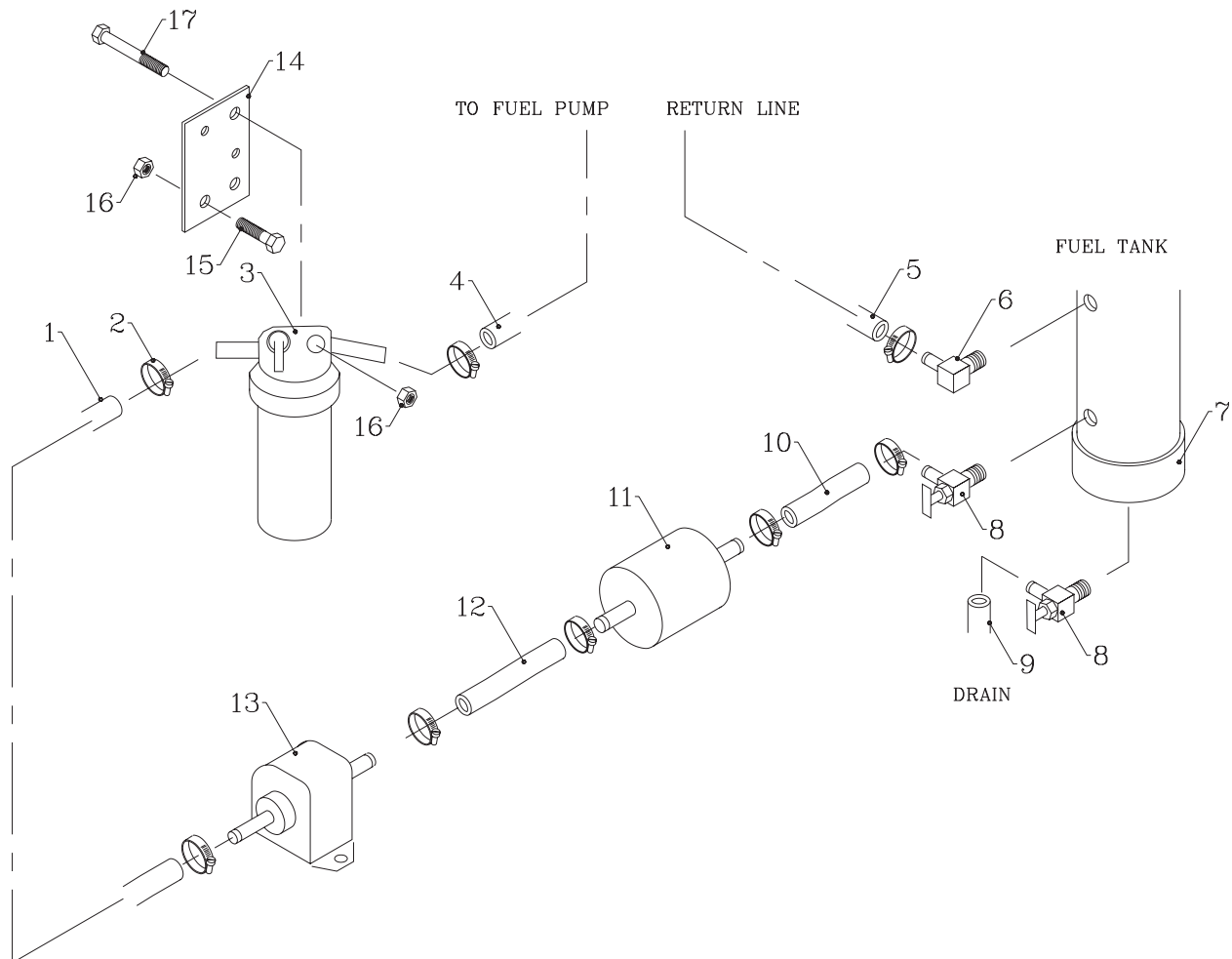
Kubota
Cooling System
Figure 7



Parts List for Figure 7

Ref	Part no.	Description	Quantity
1	01-004	Nut, 8-32	4
2	60-304	Screen, Radiator	1
3	44-093	Baffle for Screen, Radiator	1
4	64-246	Retainer Strip	1
5	01-002	Screw, 8-32 x 1/2	4
6	13-036	Coolant Recovery Bottle	1
7	07-0610020	Bolt, M6 x 20	4
8	64-222	Bracket, Upper Radiator	2
9	64-224	Radiator Screen Mount, Right	2
10	13-15272-72021	Radiator Cap	1
11	92-06	Nut, 3/8	4
12	95-06	Flat Washer, 3/8 SAE	4
13	90-0610	Bolt, 3/8 x 1-1/4	4
14	64-238	Radiator Support, Right	1
	64-239	Radiator Support, Left	1
15	13-15111-72181	Rubber Bushing, Upper	2
	13-15111-72191	Rubber Bushing, Lower	2
16	13-15111-72200	Cup Washer	4
17	13-66711-51340	Bolt	2
18	13-15861-72852	Radiator Hose, Lower	1
19	13-12581-72060	Radiator	1
20	13-15861-72942	Radiator Hose, Upper	1
21	64-315	Radiator Screen Mount, Left	1
22	14-016	Shroud, Radiator	1
23	64-272	Support Bracket (Serial No. 1001 - 2999)	1
	64-738	Support Bracket (Serial No. 3000-)	1
24	11-020	Clamp	1
25	99-K19	Flange Bolt, 5/16 x 3/4	2
26	99-E12	Flange Nut, 5/16	2
27	64-737	Expansion Tank Bracket (Serial No. 3000-)	1
28	94-04	Flat Washer, 1/4 (Serial No. 3000-)	2
29	96-04	Lock Washer, 1/4 (Serial No. 3000-)	2
30	07-0610050	Metric Bolt, M6-1.00 x 50 (Serial No. 3000-)	2
31	56-034-27	Tubing, 9/32	1
32	13-66204-36231	Hose Clamp	1
33	13-05515-51000	Snap Pin	1

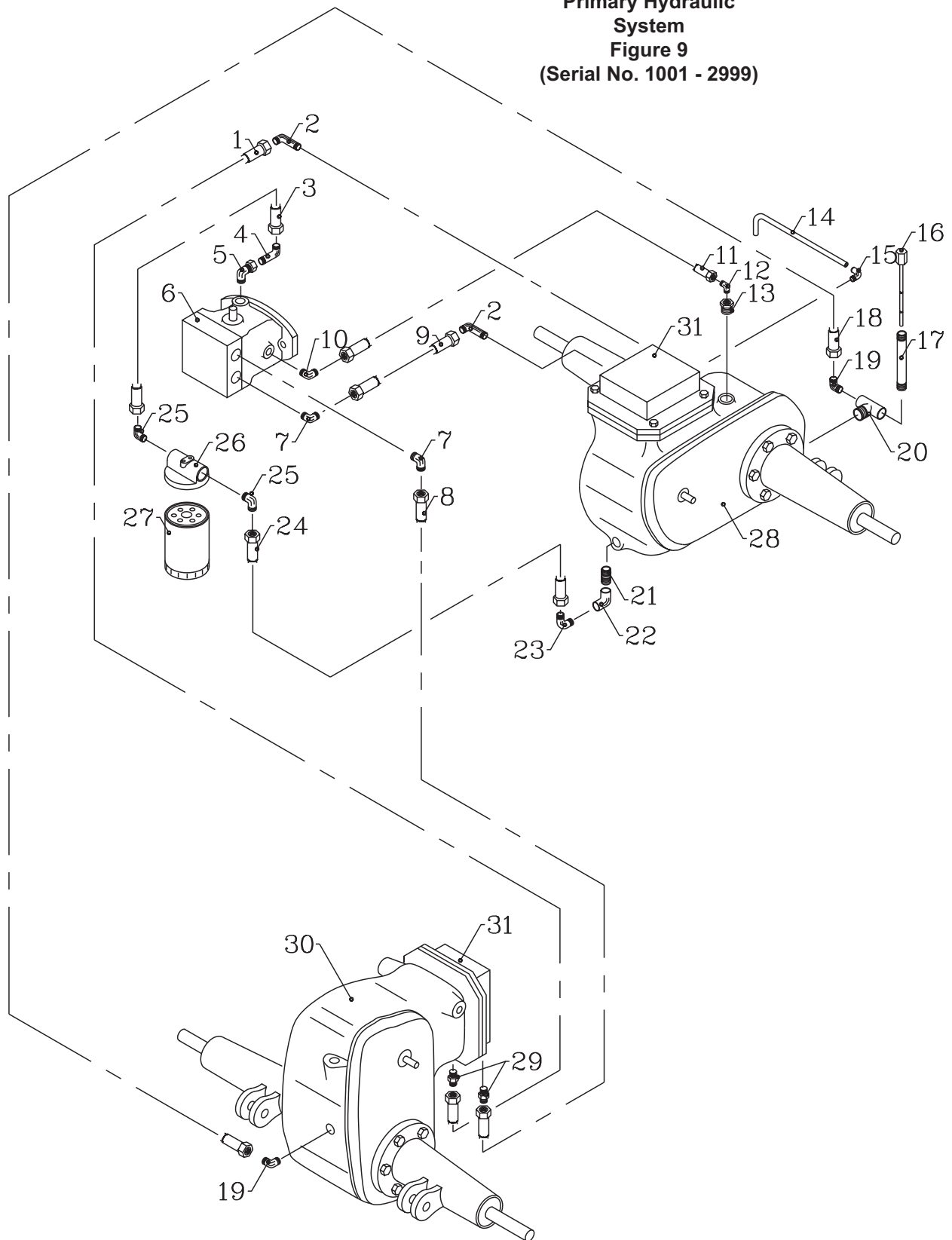
Kubota
Fuel System
Figure 8



Parts List for Figure 8

Ref	Part no.	Description	Quantity
1	27-012-48	Fuel Line, 5/16 x 48 (Diesel Only) (Serial No. 1001 - 2999)	1
	27-012-44	Fuel Line, 5/16 x 44 (Diesel Only) (Serial No. 3000 -)	1
	27-001-54	Fuel Line, 1/4 x 54 (Gas Only)	1
2	11-017	Small Hose Clamp	10
3	13-19204-43010	Assembly, Fuel Filter (Diesel Only)	1
	13-15231-43560	Element, Fuel Filter (Diesel Only)	1
4	27-012-30	Fuel Line, 5/16 x 30 (Diesel Only) (Serial No. 1001 - 2999)	1
	27-012-34	Fuel Line, 5/16 x 34 (Diesel Only) (Serial No. 3000 -)	1
5	27-001-72	Return Line, 1/4 x 72 (Diesel Only)	1
6	29-047	Fitting (Diesel Only)	1
	29-061	Pipe Plug, 1/8 (Gas Only)	1
7	24-010	Cap (Diesel Only)	1
	29-015	Cap (Gas Only)	1
8	29-016	Fuel Valve	2
9	56-007-10	Vinyl Drain Tube, 1/4 x 10	1
10	27-001-02	Fuel Line, 1/4 x 2	1
11	13-021	Fuel Filter	1
12	27-001-02	Fuel Line, 1/4 x 2	1
13	13-12584-52031	Electric Fuel Pump (Gas Only)	1
	13-68371-51211	Electric Fuel Pump (Diesel Only)	1
14	64-755	Mounting Plate, Fuel Filter (Diesel Only) (Serial No. 3000-)	1
15	99-K19	Flange Bolt, 5/16 x 3/4 (Diesel Only) (Serial No. 3000-)	2
16	99-E12	Flange Nut, 5/16 (Diesel Only) (Serial No. 3000-)	3
17	90-0520	Bolt, 5/16 x 2-1/2 (Diesel Only) (Serial No. 3000-)	1

Primary Hydraulic
System
Figure 9
(Serial No. 1001 - 2999)

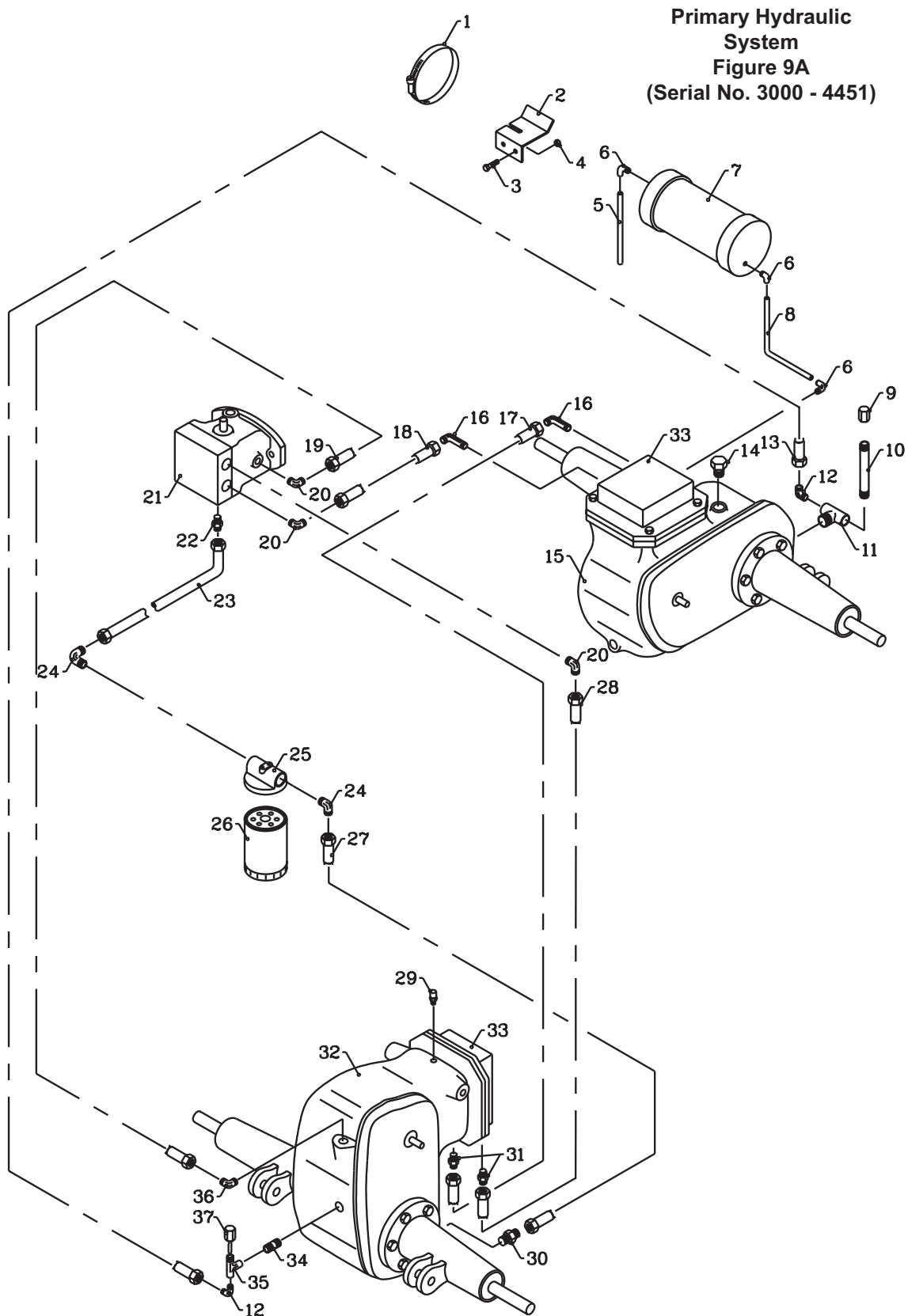


Parts List for Figure 9 (Serial No. 1001 - 2999)

Ref	Part no.	Description	Quantity
1	20-044	Hose, 1/2 x 44	1
2	25-6801-LL1/4-8	Fitting	2
3	22-001	Hose, 5/8 x 8 (Onan)	1
	22-019	Hose, 5/8 x 15 (Kubota)	1
4	25-5603-8-10	Fitting (Serial No. 1001 - 2620)	1
	25-6500-LL-10	Fitting (Serial No. 2621 - 2999)	1
5	25-2507-8-8	Fitting (Serial No. 1001 - 2620)	1
	25-2503-8-10	Fitting (Serial No. 2621 - 2999)	1
6	21-003	Hydraulic Pump, Sundstrand 15-2059	1
7	25-2503-8-8	Fitting	2
8	20-003	Hose, 1/2 x 64	1
9	20-024	Hose, 1/2 x 27	1
10	25-2503-8-6	Fitting	1
11	22-015	Hose, 3/8 x 19	1
12	25-2103-4-6	Fitting	1
13	25-0502-10-4	Adapter	1
14	27-001-40	Vinyl Tube, 40"	1
15	29-047	Fitting	1
16	24-001	Dipstick	1
17	29-011	Nipple, 3/8 x 6	1
18	22-028	Hose, 1/2 x 59	1
19	25-2103-6-8	Fitting	2
20	25-212T-6-6	Fitting	1
21	29-039	Nipple, 3/8 Close	1
22	29-040	Elbow, 3/8 45 Degree	1
23	25-3103-6-10	Fitting	1
24	22-018	Hose, 5/8 x 26-1/4	1
25	25-2103-8-10	Fitting	2
26	21-058	Filter Head, with 1/2" ports	1
27	21-001	Filter	1
28	† 51-007	Transaxle, Front (Serial No. 1001 - 1135)	1
	51-029	Transaxle, Front (Serial No. 1136 - 2000)	1
	51-031	Transaxle, Front (Serial No. 2001 - 2999)	1
29	25-3503-8-8	Fitting	2
30	† 51-008	Transaxle, Rear (Serial No. 1001 - 1135)	1
	51-029	Transaxle, Rear (Serial No. 1136 - 2000)	1
	51-031	Transaxle, Rear (Serial No. 2001 - 2999)	1
31	21-004	Motor, Hydraulic	2
*	21-005	Gasket, Motor	2
*	15-010	Trans-Hydraulic Oil, 5 gal. (two 2-1/2 gal.)	1
*	15-012	Trans-Hydraulic Oil, quart	1

* Not Illustrated

† For replacement parts order part #51-029

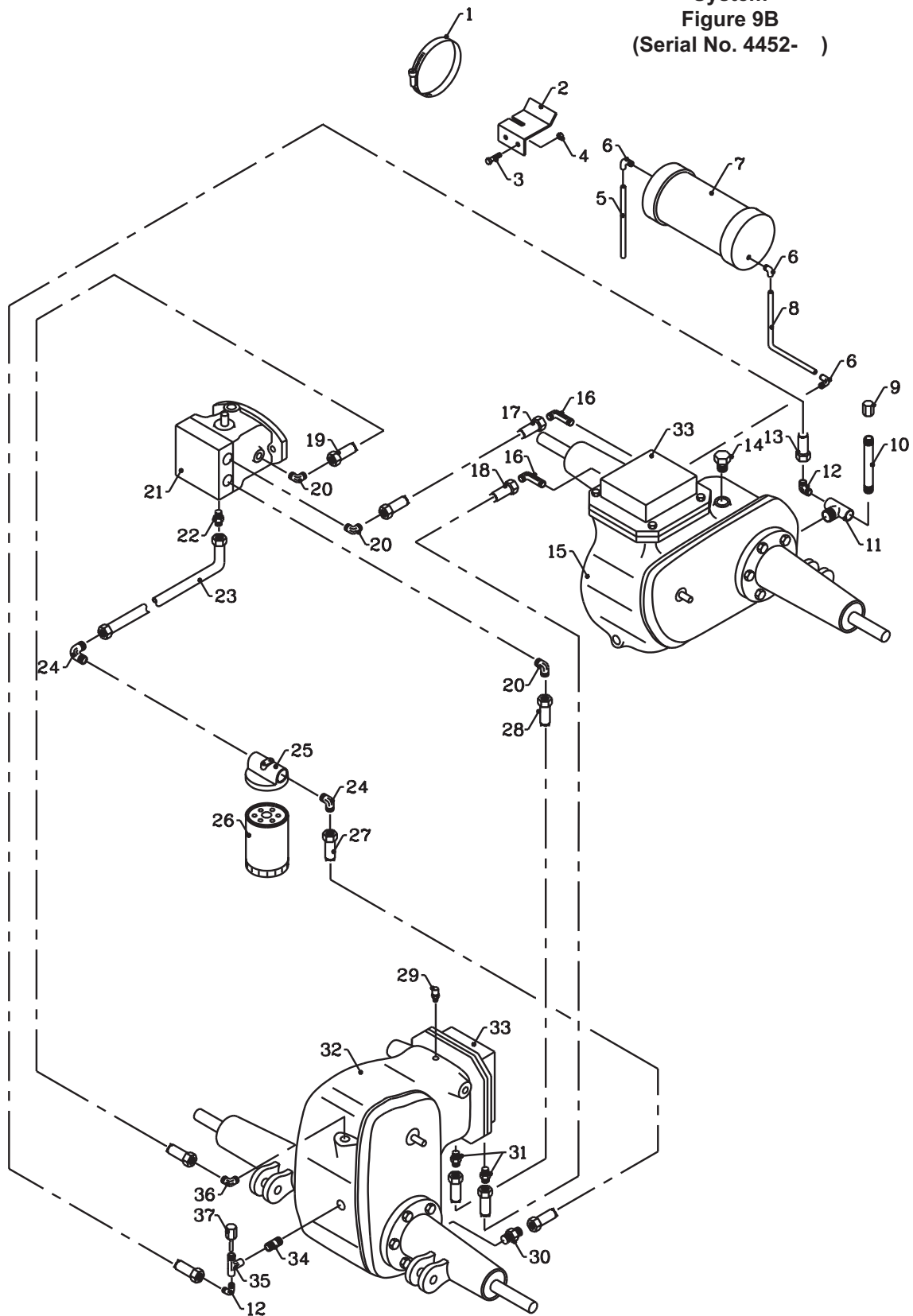


Parts List for Figure 9A (Serial No. 3000 - 4451)

Ref	Part no.	Description	Quantity
1	11-029	Hose Clamp, 2-1/2" (Onan)	1
	11-018	Hose Clamp, 4" (Kubota)	2
2	64-736	Mounting Bracket, Expansion Tank (Onan)	1
		Mounting Bracket, Expansion Tank (Kubota) See Fig. 7	1
3	99-K26	Flange Bolt, 1/4 x 3/4 (Onan)	2
4	99-E20	Flange Nut, 1/4 (Onan)	2
5	27-001-21	Hose, Expansion Tank Overflow, 21" (Onan)	1
	27-001-29	Hose, Expansion Tank Overflow, 29" (Kubota)	1
6	29-047	Fitting, 90 deg.	3
7	24-039	Expansion Tank	1
8	27-001-25	Hose, Expansion tank Inlet, 25" (Onan)	1
	27-001-23	Hose, Expansion Tank Inlet 23" (Kubota)	1
9	29-032	Hex Pipe Cap, 3/8	1
10	29-011	Pipe Nipple, 3/8 x 6	1
11	25-212T-6-6	Fitting, Tee	1
12	25-2103-6-8	Fitting, 90 Degree	2
13	22-028	Hose, 1/2 x 59	1
14	25-05CP-10	Fitting, Cap	1
15	51-031	Transaxle, Front	1
16	25-6081-LL 1/4-8	Fitting, 90 Degree	2
17	20-044	Hose, 1/2 x 44	1
18	20-024	Hose, 1/2 x 27	1
19	22-045	Hose, 1/2 x 52	1
20	25-2503-8-8	Fitting, 90 Degree, O-Ring	3
21	21-003	Hydraulic Pump, Sundstrand 15-2059	1
22	24-036	Fitting	1
23	23-060	Tube, Steel Hydraulic (Onan)	1
	23-061	Tube, Steel Hydraulic (Kubota)	1
24	25-2103-12-12	Fitting, 90 Degree	2
25	21-073	Filter Head with 3/4" ports	1
26	21-093	Filter Element, Hydraulic	1
27	22-041	Hose, 3/4 x 43-1/2 (Onan)	1
	22-042	Hose, 3/4 x 42 (Kubota)	1
28	20-003	Hose, 1/2 x 64	1
29	29-106	Fitting, Vented w/ Cap	1
30	24-037	Fitting	1
31	25-3503-8-8	Fitting, 45 Degree, O-Ring	1
32	50-083	Transaxle, Rear	1
33	21-004	Motor, Hydraulic	2
*	21-005	Gasket, Motor	1
34	29-039	Pipe, Nipple	1
35	25-012T-6-6	Fitting, Tee	1
36	25-3103-6-8	Fitting, 45 Degree	1
37	24-041	Dipstick, Hydraulic Oil	1

*Not Illustrated

Primary Hydraulic
System
Figure 9B
(Serial No. 4452-)

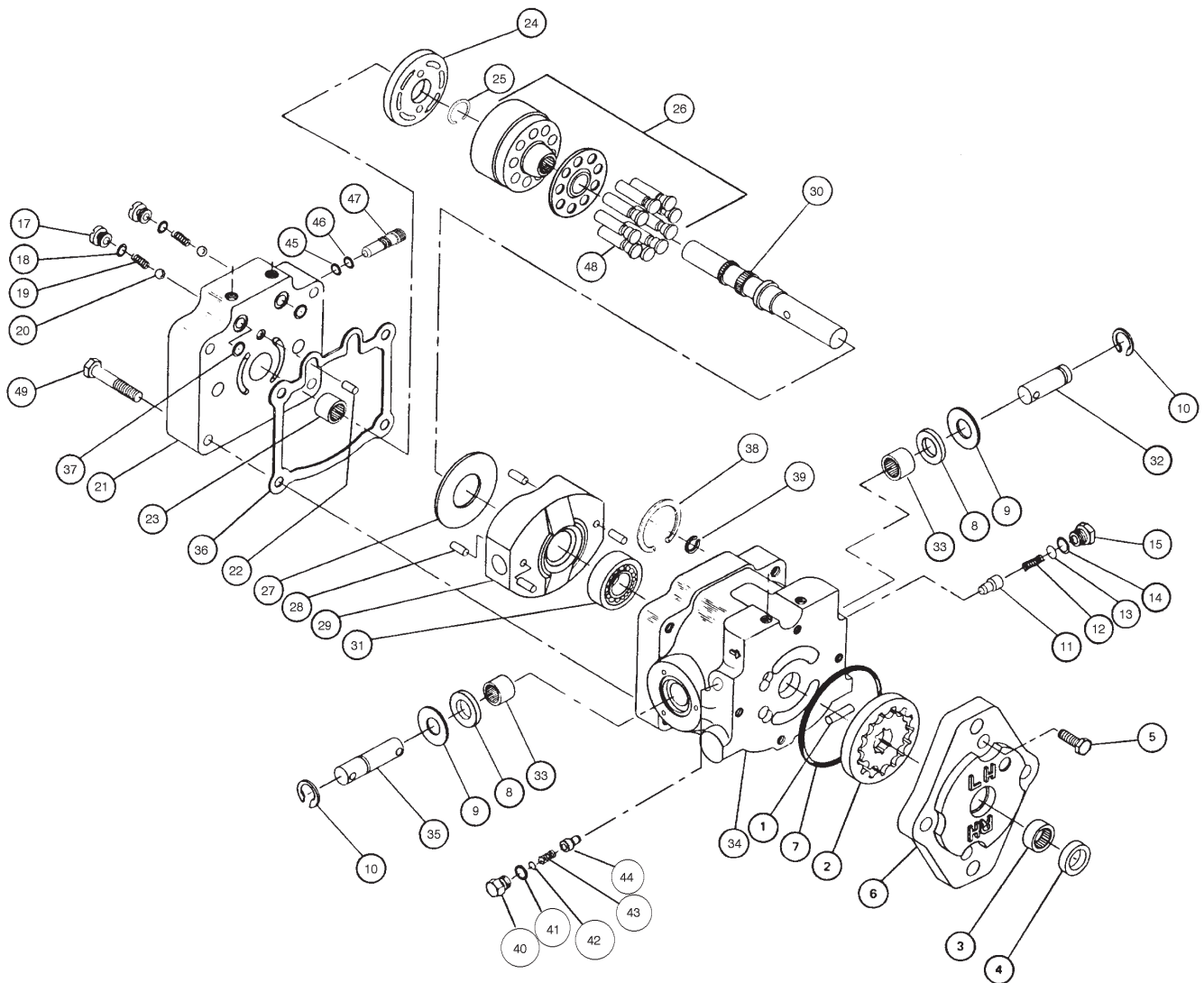


Parts List for Figure 9B (Serial No. 4452 -)

Ref	Part no.	Description	Quantity
1	11-029	Hose Clamp, 2-1/2" (Onan)	1
	11-018	Hose Clamp, 4" (Kubota)	2
2	64-736	Mounting Bracket, Expansion Tank (Onan)	1
		Mounting Bracket, Expansion Tank (Kubota) See Fig. 7	1
3	99-K26	Flange Bolt, 1/4 x 3/4 (Onan)	2
4	99-E20	Flange Nut, 1/4 (Onan)	2
5	27-001-21	Hose, Expansion Tank Overflow, 21" (Onan)	1
	27-001-29	Hose, Expansion Tank Overflow, 29" (Kubota)	1
6	29-047	Fitting, 90 deg.	3
7	24-039	Expansion Tank	1
8	27-001-25	Hose, Expansion Tank Inlet, 25" (Onan)	1
	27-001-23	Hose, Expansion Tank Inlet, 23" (Kubota)	1
9	29-032	Hex Pipe Cap, 3/8	1
10	29-011	Pipe Nipple, 3/8 x 6	1
11	25-212T-6-6	Fitting, Tee	1
12	25-2103-6-8	Fitting, 90 Degree	2
13	22-028	Hose, 1/2 x 59	1
14	25-05CP-10	Fitting, Cap	1
15	51-031	Transaxle, Front	1
16	25-6801-LL1/4-8	Fitting, 90 Degree	2
17	20-067	Hose, 1/2 x 40	1
18	20-067	Hose, 1/2 x 40	1
19	22-045	Hose, 1/2 x 52	1
20	25-2503-8-8	Fitting, 90 Degree, O-Ring	3
21	21-003	Hydraulic Pump, Sundstrand	1
*	99-15	Bolt, 1/2 x 1-3/4 SHCS	2
*	93-08	Nut, 1/2 NF	2
*	96-08	Lockwasher, 1/2	2
22	24-036	Fitting	1
23	23-060	Tube, Steel Hydraulic (Onan)	1
	23-061	Tube, Steel Hydraulic (Kubota)	1
24	25-2103-12-12	Fitting, 90 Degree	2
25	21-073	Filter Head with 3/4" ports	1
26	21-093	Filter Element, Hydraulic	1
27	22-041	Hose, 3/4 x 43-1/2 (Onan)	1
	22-042	Hose, 3/4 x 42 (Kubota)	1
28	20-044	Hose, 1/2 x 44	1
29	29-106	Fitting, Vented with Cap	1
30	24-037	Fitting	1
31	25-3503-8-8	Fitting, 45 Degree, O-Ring	1
32	50-083	Transaxle, Rear	1
33	21-004	Motor, Hydraulic	2
*	21-005	Gasket, Motor	1
34	29-039	Pipe Nipple	1
35	25-012T-6-6	Fitting, Tee	1
36	25-3103-6-8	Fitting, 45 Degree	1
37	24-041	Dipstick, Hydraulic Oil	1

* Not Illustrated

Sundstrand
Series 15
Pump Parts
Figure 22

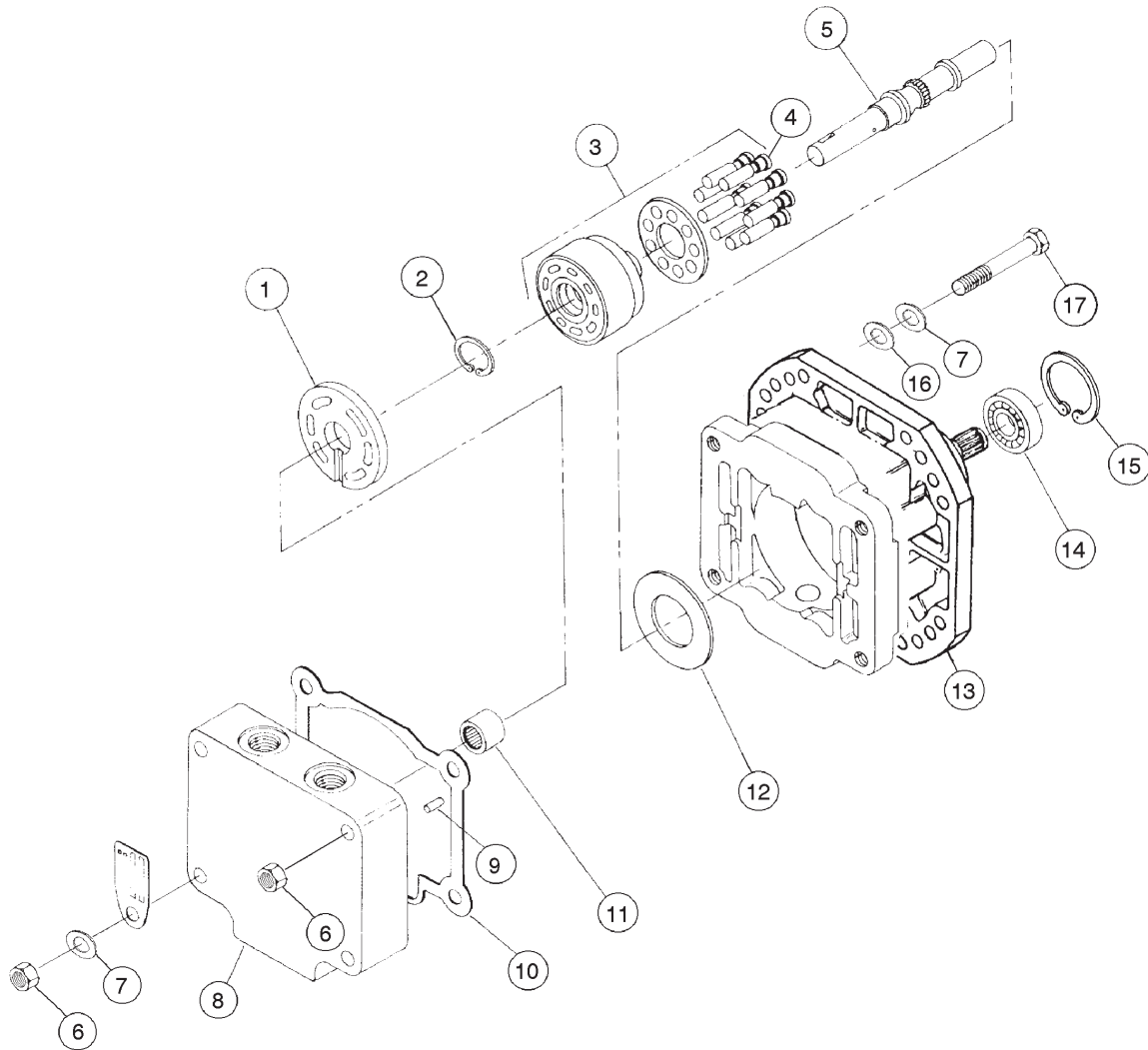


Parts List for Figure 22

Ref	Part no.	Description	Quantity
1	21-041	Pin, Drive (Series 15-2177)	1
2	21-027	Gerotor, Charge Pump (Series 15-2177)	1
	21-3104034	Gerotor Assembly (Series 15-2264)	1
3	21-036	Bearing, Charge Pump	1
4	21-048	Seal, Input Shaft	1
5	21-046	Screw, Hex Head 5/16 x 7/8	4
6	21-031	Housing, Charge Pump	1
7	21-038	O-Ring	1
8	21-047	Seal, Control Shaft	2
9	21-049	Washer	2
10	21-045	Ring, Retainer	2
11-15	21-051	Relief Valve Kit, Implement	1
12	21-3102027	Spring, Implement Relief	1
13	21-059	Shim Pack	1
17-20	21-050	Check Valve Kit	1
21	21-023	End Cap, Pump	1
22	21-040	Pin, Locating	1
23	21-034	Bearing	1
24	21-026	Valve Plate, Pump	1
25	21-092	Retaining Ring	1
26	21-029	Cylinder Block Kit	1
	21-069	Washer, Piston Retaining	1
27	21-019	Plate, Thrust	1
28	21-039	Spring Pin	4
29	21-021	Swashplate, Variable	1
30	21-028	Shaft, Pump (Series 15-2177)	1
	21-3103848	Shaft, Pump (Series 15-2264)	1
31	21-032	Bearing (Series 15-2177)	1
	21-5000153	Bearing (Series 15-2264)	1
32	21-017	Shaft, Trunnion	1
33	21-066	Bushing	1
34	21-052	Housing, Pump (Series 15-2177)	1
	21-3104080	Housing Assembly (Series 15-2264)	1
35	21-018	Shaft, Control	1
36	21-020	Gasket	1
37	21-037	O-Ring	2
38	21-042	Ring, Retaining (Series 15-2177)	1
	21-9006300-0087	Ring, Retaining (Series 15-2264)	1
39	21-043	Ring, Retaining	1
40-44	21-065	Relief Valve Kit, Priority	1
45	21-9004100-0120	O-Ring	1
46	21-9006110-0120	Backup Ring	1
47	3103786	Bypass Valve	1
48	21-9510621	Assembly, Piston	9
49	90-0620	Bolt, 3/8 x 2-1/2	4
*	71-009	Tool, Spring Compressor (used to service Ref. 26)	1

* Not Illustrated

Sundstrand
Series 15
Motor Parts
Figure 23

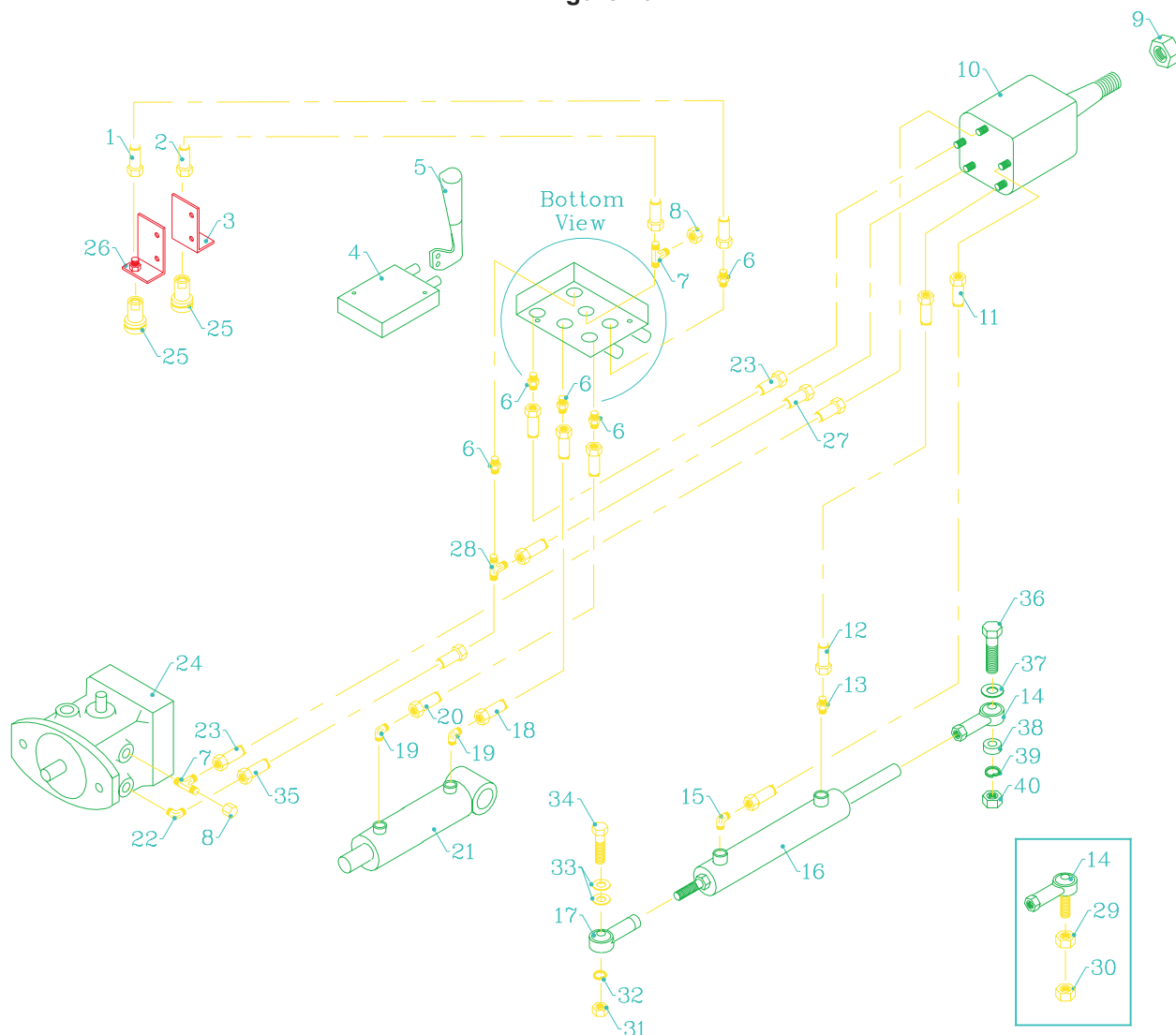


Parts List for Figure 23

Ref	Part no.	Description	Quantity
1	21-025	Valve Plate, Motor	1
2	21-092	Retaining Ring	1
3	21-029	Cylinder Block Kit	1
	21-069	Washer, Piston Retaining	1
4	21-9510621	Assembly, Piston	9
5	21-022	Shaft, Motor	1
6	92-06	Nut, 3/8	4
7	F3053	Washer, Special	5
8	21-024	End Cap, Motor	1
9	21-040	Pin, Locating	1
10	21-020	Gasket	1
11	21-034	Bearing	1
12	21-019	Plate, Thrust	1
13	21-030	Housing, Fixed (Not Available)	1
14	21-033	Bearing	1
15	21-043	Ring, Retaining	1
16	21-9009640-3700	Washer, Pressure Seal	4
17		Bolt, 3/8 x 3-1/4 Grade 8	4
*	51-011	Bevel Pinion, Output Shaft	1
*	04-002	Snap Ring, Output Shaft	1
*	71-009	Tool, Spring Compressor (used to service Ref. 3)	1

* Not Illustrated

**Implement Hydraulic System
Figure 10**



Parts List for Figure 10

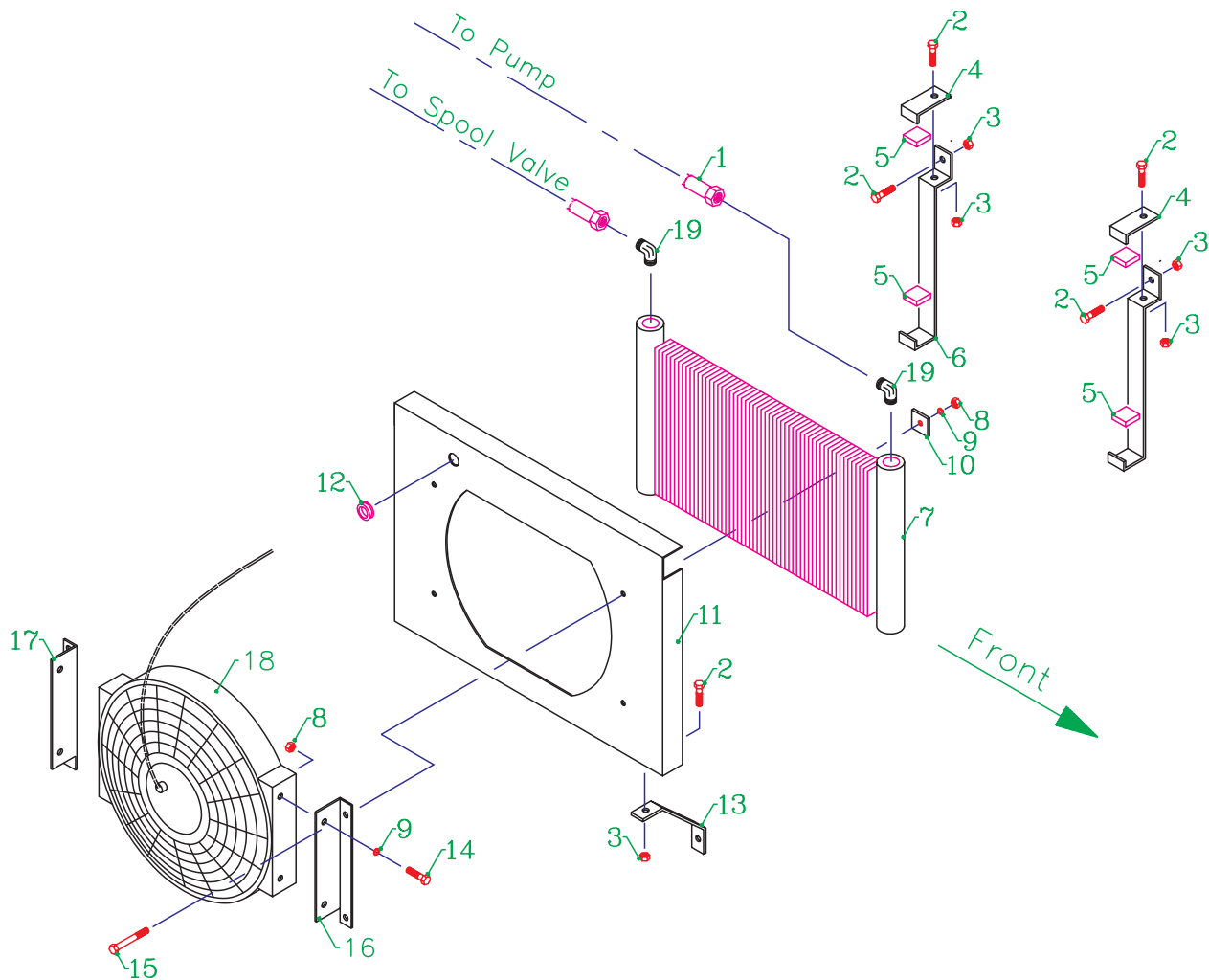
Ref	Part no.	Description	Quantity
1	20-026	Hose, 1/4 x 17 (Onan)	1
	20-007	Hose, 1/4 x 20 (Kubota)	1
2	20-046	Hose, 1/4 x 13 (Onan)	1
	20-026	Hose, 1/4 x 17 (Kubota)	1
3	64-180	Bracket, Coupler	1
4	23-035	Valve, With Float & Handles	1
	23-30029249	Seal Kit, Valve	1
	23-041	Detent Kit, Valve	1
	23-1607-11	Detent, Spool for 23-035	1
	23-038A	Clip and Pin for Handles	1
5	23-038	Handle, Onan	2
	40-150	Handle, Kubota	2
6	25-0503-6-6	Fitting, O-Ring	5
7	25-053T-6-6	Fitting, Tee	2
8	25-06CP-6	Cap	2
9	99-E11	Nut, Steering Valve	1

Parts List for Figure 10 Continued

Ref	Part no.	Description	Quantity
10	23-014	Steering Valve, 4-port (Serial No. 1001 - 1134) and (Serial No. 1168 - 1310)	1 1
	23-054	Steering Valve, 5-port (Serial No. 1135 - 1167) and (Serial No. 1311 -)	1 1
	21-SK000011	Seal Kit, Steering Valve	1
	21-402405	Seal, Steering Column	1
	21-478046	Seal, Face	1
	21-061015	Bushing, Steering Column	1
	21-401443x1	Spring Kit, 3 long and 3 short	1
11	20-028	Hose, 1/4 x 28	1
12	20-006	Hose, 1/4 x 24	1
13	25-0103-4-6	Fitting (Serial No. 1001 - 2999)	1
	25-3103-4-6	Fitting (Serial No. 3000 -)	1
14	43-010S	Rod End (Serial No. 1001 - 2999)	1
	43-010A	Rod End (Serial No. 3000 -)	1
15	25-2103-4-6	Fitting	1
16	24-009	Cylinder, Steering (Serial No. 1001 - 2999)	1
	24-038	Cylinder, Steering (Serial No. 3000 -)	1
	21-0A002813	Seal Kit, Steering Cylinder	1
17	43-008A	Rod End, Steel	1
18	20-045	Hose, 1/4 x 15-1/2	1
19	25-2103-6-6	Fitting	2
20	20-027	Hose, 1/4 x 22 (Onan)	1
	20-006	Hose, 1/4 x 24 (Kubota)	1
21	23-005	Cylinder, Front Lift (Serial No. 1001 - 5365)	1
	21-13909X	Seal Kit, 2 X 5 Lift Cylinder (Serial No. 1001 - 5365)	1
	23-083	Cylinder, 2-1/4 x 5" (Serial No. 5366 -)	1
	21-13175X	Seal Kit, for 23-083 (Serial No. 5366 -)	1
22	25-2503-6-6	Fitting	1
23	20-030	Hose, 1/4 x 14 (Serial No. 1001 - 2999)	2
	20-075	Hose, 3/8 x 14 (Serial No. 3000 -)	2
24	21-003	Hydraulic Pump, Sundstrand 15-2059	1
25	23-003	Coupler, Female	2
*	23-033	Dust Plug	2
26	64-175	Bracket, Coupler Onan	1
	64-219	Bracket, Coupler Kubota	1
27	20-030	Hose, 1/4 x 14 (Onan)(Serial No. 1135 - 1167) and (Serial No. 1311 - 2999)	1 1
	20-064	Hose, 1/4 x 19 (Kubota)(Serial No. 1135 - 1167) and (Serial No. 1311 - 2999)	1 1
	20-075	Hose, 3/8 x 14 (Onan) (Serial No. 3000 -)	1
	20-077	Hose, 3/8 x 19 (Kubota) (Serial No. 3000 -)	1
28	25-063T-6-6	Fitting (with 5-port steering valve only)	1
29	99-E11	Jam Nut, 5/8 NF (Serial No. 1001 - 2999)	1
30	99-E05	Lock Nut, Nylon 5/8 NF (Serial No. 1001 - 2999)	1
31	93-08	Nut, 1/2 NF	1
32	96-08	Lockwasher, 1/2	1
33	95-08	Flat Washer, 1/2 SAE	1
34	91-0816	Bolt, 1/2 x 2 NF (Serial No. 1001 - 2999)	1
	91-0820	Bolt, 1/2 x 2-1/2 NF (Serial No. 3000 -)	1
35	20-028	Hose, 1/4 x 28 (Serial No. 1001 - 2999)	1
	20-082	Hose, 3/8 x 28 (Serial No. 3000 -)	1
36	91-1024	Bolt, 5/8 x 3 NF (Serial No. 3000 - 3401)	1
	91-1028	Bolt, 5/8 x 3-1/2 NF (Serial No. 3402 -)	1
37	95-10	Flat Washer, 5/8 SAE (Serial No. 3000 - 3401)	1
	64-772	Spacer (Serial No. 3402 -)	1
38	64-735	Spacer (Serial No. 3000 -)	1
39	96-10	Lockwasher, 5/8 (Serial No. 3000 -)	1
40	93-10	Nut, 5/8 NF (Serial No. 3000 -)	1

* Not Illustrated

Optional Hydraulic Cooler
Figure 30



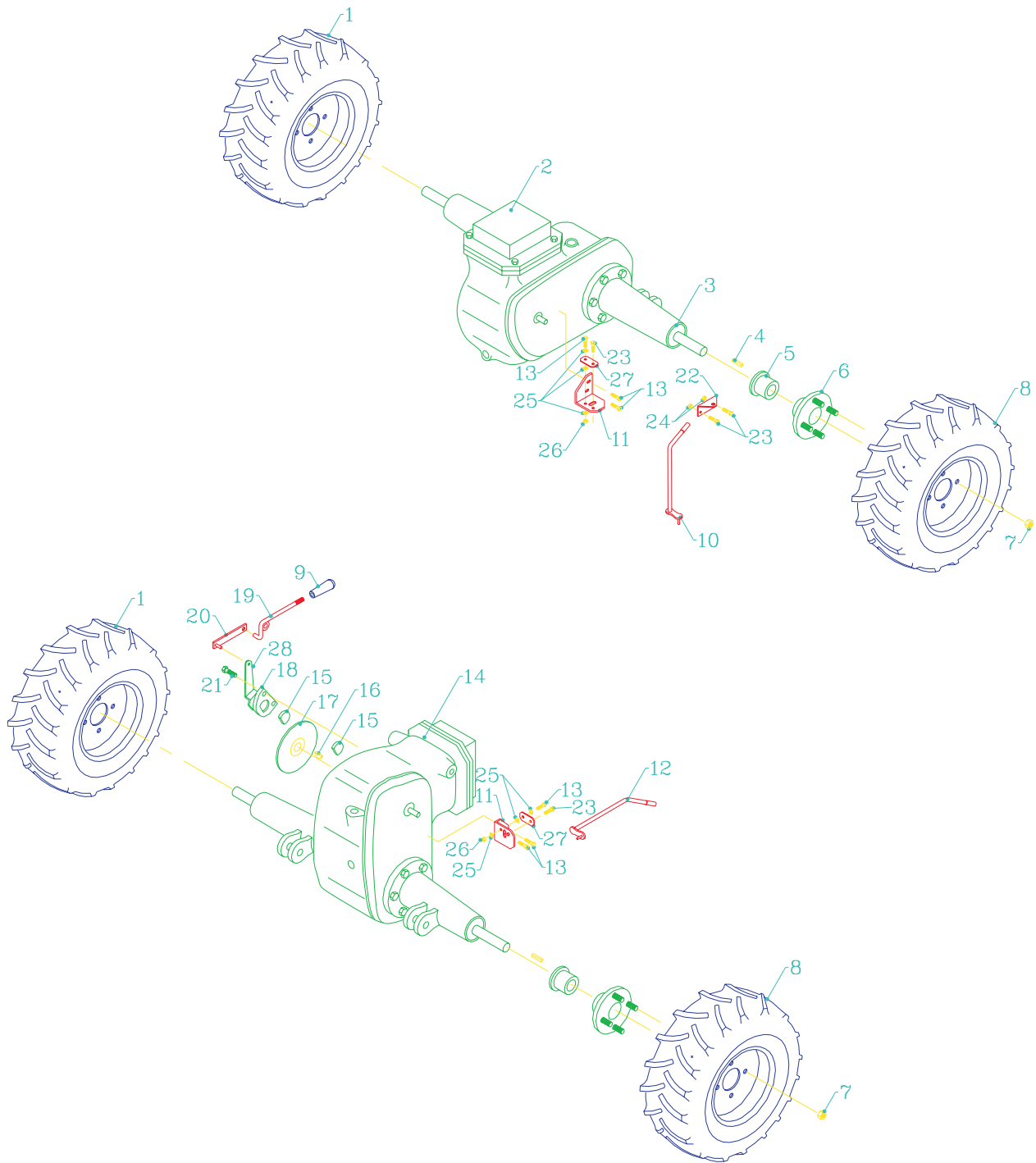
Parts List for Figure 30

Ref	Part no.	Description	Quantity
1	20-089	Hose, 3/8 x 56	1
2	99-K31	Flange Bolt, 1/4 x 1/2	5
3	99-E20	Flange Nut, 1/4	5
4	64-792	Bracket, L type	2
5	56-003-01	Weatherstrip, 3/4" x 1"	4
6	64-793	Bracket, J type	2
7	21-075	Oil cooler, 420 hydraulic	1
8	01-013	Nut, #10-32	8
9	01-018	Lock Washer, #10	8
10	64-791	Square Washer, Special	4
11	60-605	Shroud, Hydraulic Oil Cooler	1
12	05-040	Grommet	1
13	64-794	Support, Mounting Strap	1
14	01-029	Screw, Machine #10-32 x 1/2	4
15	01-031	Machine Screw #10-32 x 2"	4
16	64-790	Mounting Angle, Cooling Fan	1
17	64-789	Mounting Angle, Cooling Fan, Left	1
18	35-074	Cooling Fan, 420 Hydraulic	1
19	25-2103-8-6	Fitting, 90 Degree	2
*	31-003	Switch, Push-Pull	1
*	70-073	Kit, Hydraulic Cooling (Includes Ref 1 - 19)	1

* Not Illustrated

NOTE: The LD300 loader and the BM425 boom mower cannot be mounted on 420 power units equipped with the optional 70-073 hydraulic cooling kit.

Axles and Wheels
Figure 11
(Serial No. 1001 - 3172)

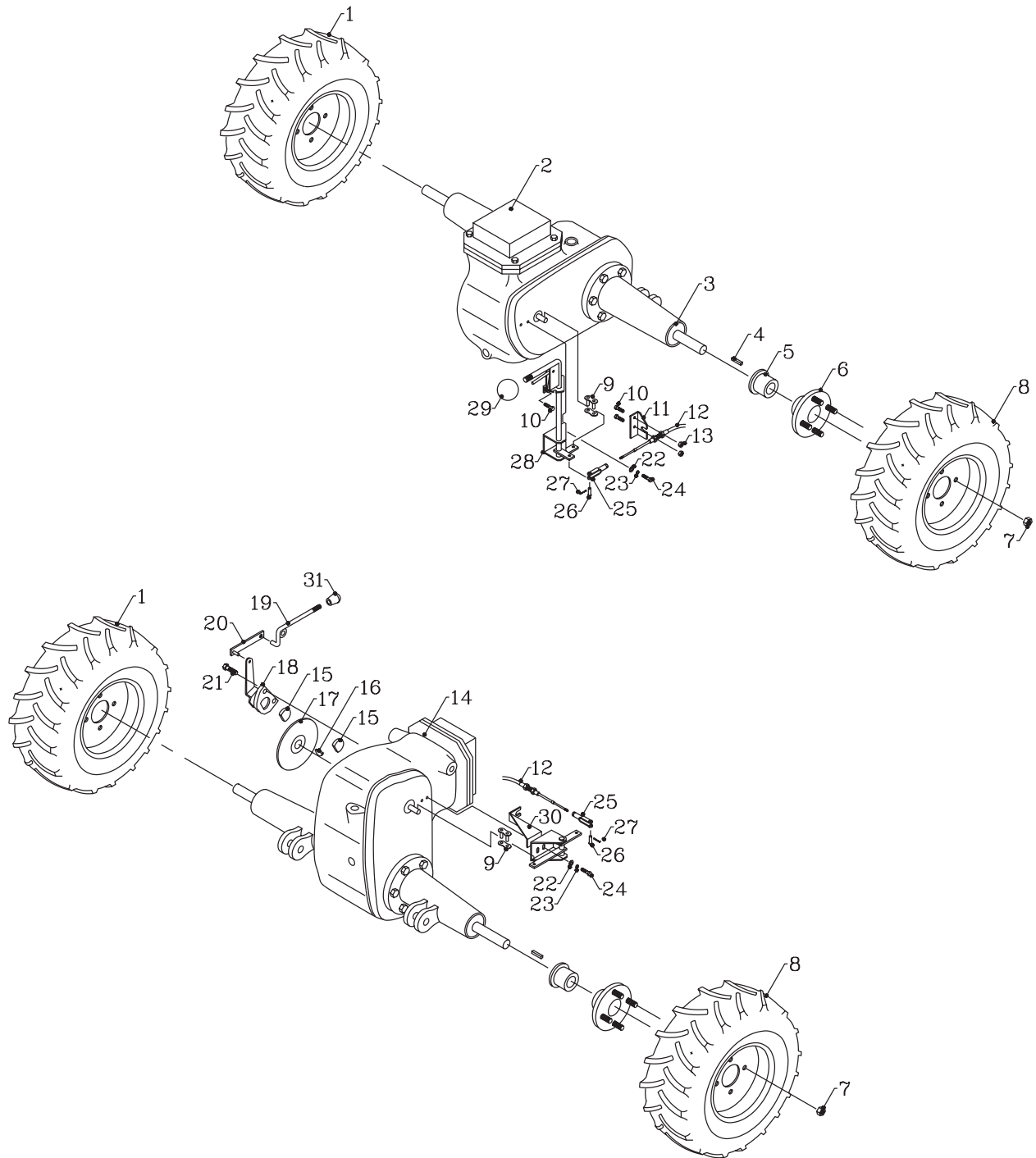


Parts List for Figure 11 (Serial No. 1001 - 3172)

Ref	Part no.	Description	Quantity
1	53-015	Wheel & Tire, Left (Traction Bar Type)	2
	53-043	Tire, 21 x 11.00 - 8 (Traction Bar Type)	2
	53-091	Tire, 20 x 10.00 - 8 (Turfmate)	2
	53-051	Rim, 8 x 8.5	2
2	†51-007	Transaxle, Front (No Motor) (Serial No. 1001 - 1135)	1
	51-029	Transaxle, Front (No Motor) (Serial No. 1136 - 2000)	1
	51-031	Transaxle, Front (No Motor) (Serial No. 2001 -)	1
3	89-006	Seal, Axle	4
4	85-K0410	Key	4
5	83-P118	Bushing, (Serial No. 1001 - 2000)	4
	83-P120	Bushing, (Serial No. 2001 -)	4
6	53-058	Hub	4
	91-0816	Bolt, 1/2 x 2 NF	16
7	99-E01	Lug Nut	16
8	53-016	Wheel & Tire, Right (Traction Bar Type)	2
	53-043	Tire, 21 x 11.00 - 8 (Traction Bar Type)	2
	53-091	Tire, 20 x 10.00 - 8 (Turfmate)	2
	53-051	Rim, 8 x 8.5	2
9	47-001	Knob, Small	3
10	40-140	Lever, Front Shifter	1
11	64-176	Bracket, Shifter	2
12	40-141	Lever, Rear Shifter	1
13	90-0406	Bolt, 1/4 x 3/4	4
14	†51-008	Transaxle, Rear (No Motor) (Serial No. 1001 - 1135)	1
	51-029	Transaxle, Rear (No Motor) (Serial No. 1136 - 2000)	1
	51-031	Transaxle, Rear (No Motor) (Serial No. 2001 - 2999)	1
	50-083	Transaxle, Rear (No Motor) (Serial No. 3000 -)	1
15	53-021	Puck, Brake (Set of 2)	1
16	85-W0306	Woodruff Key	1
17	53-020	Disc, Parking Brake	1
18	53-022	Assembly, Parking Brake	1
19	40-034	Lever, Brake	1
20	40-033	Link, Brake	1
21	90-0612	Bolt, 3/8 x 1-1/2	2
22	53-113	Brake Lever	1

† For replacement parts order part #51-029

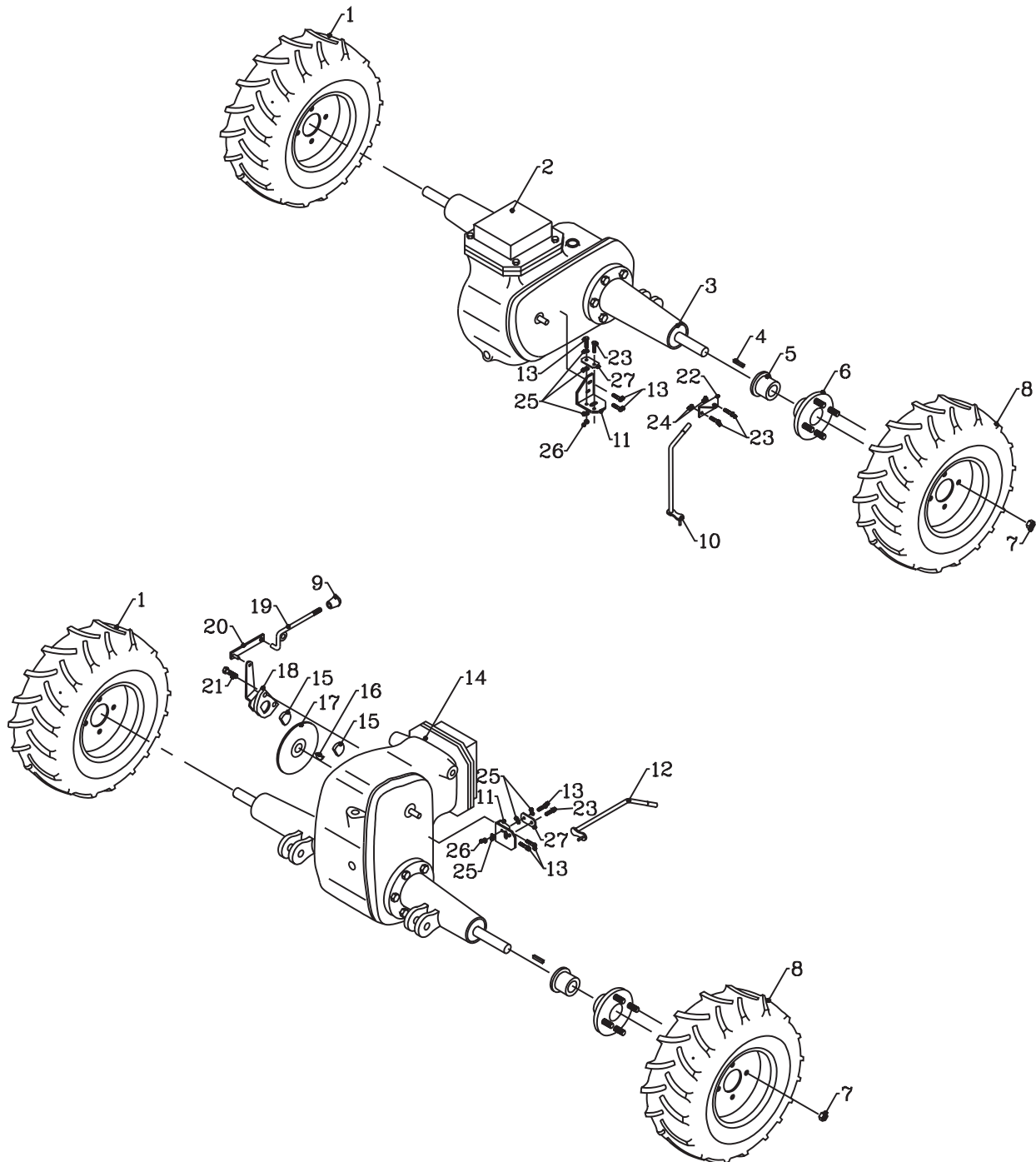
Axles and Wheels
Figure 11A
(Serial No. 3173 - 4630)



Parts List for Figure 11A (Serial No. 3173 - 4630)

Ref	Part no.	Description	Quantity
1	53-015	Wheel & Tire Assembly, Left (Traction Bar Type)	2
	53-043	Tire, 21 x 11.00 - 8 (Traction Bar Type)	2
	53-091	Tire, Turfmate 20 x 10.00 x 8	2
	53-051	Rim, 8 x 8.5, White	2
2	51-031	Transaxle, (No Motor)	1
3	51-788073	Seal, Axle	4
4	85-K0410	Key, 1/4 X 1-1/4	4
5	83-P120	Bushing	4
6	53-058	Wheel Hub, 4 Bolt	4
	91-0816	Bolt, 1/2 x 2 NF	16
7	99-E01	Wheel Nut, 1/2"	16
8	53-016	Wheel & Tire Assembly, Right (Traction Bar Type)	2
	53-043	Tire, 21 x 11.00 - 8 (Traction Bar Type)	2
	53-091	Tire, Turfmate 20 x 10.00 x 8	2
	53-051	Rim, 8 x 8.5, White	2
9	81-024	Connector Link, #60	2
10	99-K26	Flange Bolt, 1/4 x 3/4	4
11	64-764	Mount, Front Shifter Cable	1
12	47-083	Cable, Shift Control	1
13	99-E20	Flange Nut, 1/4	4
14	50-083	Transaxle, Rear (No Motor)	1
15	53-021	Brake Puck, Set of 2	1
16	85-W0306	Woodruff Key	1
17	53-020	Disc, Parking Brake	1
18	53-022	Brake Assembly, Complete	1
19	40-034	Lever, Brake	1
20	40-033	Link, Brake	1
21	90-0612	Bolt, 3/8 X 1-1/2	2
22	95-04	Flat Washer, 1/4 SAE	4
23	96-04	Lock Washer, 1/4	4
24	90-0406	Bolt, 1/4 x 3/4	4
25	43-Y0304F	Yoke End, Cable	2
26	03-0406	Clevis Pin, 1/4 x 3/4	2
27	02-CP0306	Cotter Pin, 3/32 x 3/4	2
28	42-431	Shifter Assembly, Front	1
	40-301	Shifter Lock	1
29	47-038	Knob	1
30	42-470	Shifter Assembly, Rear	1
31	47-001	Knob	1

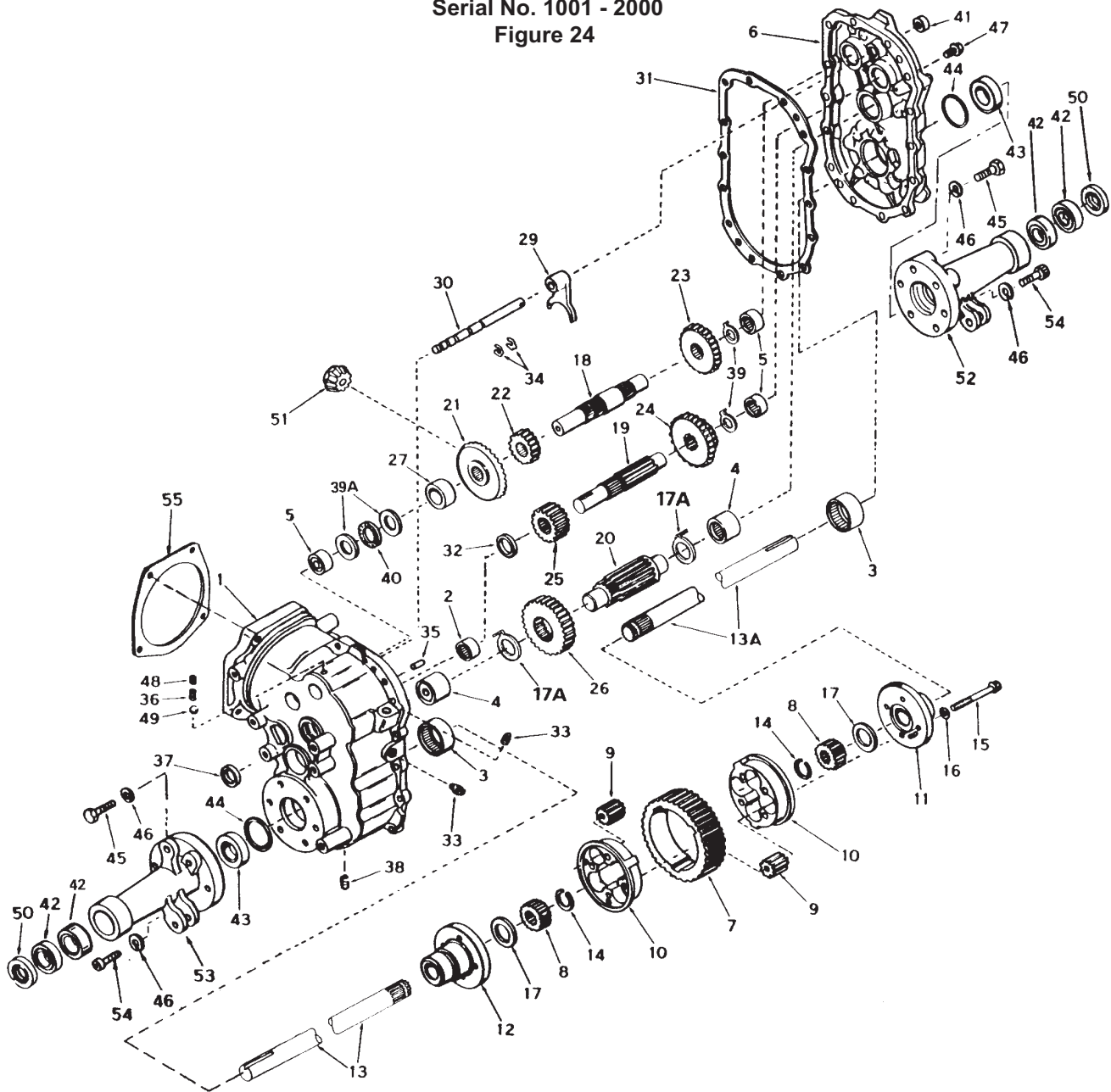
Axles and Wheels
Figure 11B
(Serial No. 4631 -)



Parts List for Figure 11B (Serial No. 4631 -)

Ref	Part no.	Description	Quantity
1	53-015	Wheel & Tire, Left (Traction Bar Type)	2
	53-043	Tire, 21 x 11.00 - 8 (Traction Bar Type)	2
	53-091	Tire, 20 x 10.00 - 8 (Turfmate)	2
	53-051	Rim, 8 x 8.5	2
2	51-031	Transaxle, Front (No Motor)	1
3	51-788073	Seal, Axle 1-1/4	4
4	85-K0410	Key, 1/4 x 1-1/4	4
5	83-P120	Bushing	4
6	53-058	Hub	4
	91-0816	Bolt, 1/2 x 2 NF	16
7	99-E01	Lug Nut	16
8	53-016	Wheel & Tire, Right (Traction Bar Type)	2
	53-043	Tire, 21 x 11.00 - 8 (Traction Bar Type)	2
	53-091	Tire, 20 x 10.00 - 8 (Turfmate)	2
	53-051	Rim, 8 x 8.5, White	2
9	47-001	Knob, Small	1
10	64-833	Lever, Front Shifter	1
11	64-831	Bracket, Shifter	2
12	64-832	Lever, Rear Shifter	1
13	90-0406	Bolt, 1/4 x 3/4	6
14	50-083	Transaxle, Rear (No Motor)	1
15	53-021	Puck, Brake (Set of 2)	1
16	85-W0306	Woodruff Key	1
17	53-020	Disc, Parking Brake	1
18	53-022	Assembly, Parking Brake	1
19	40-034	Lever, Brake	1
20	40-033	Link, Brake	1
21	90-0612	Bolt, 3/8 x 1-1/2	2
22	64-766	Two Lever Shifter Bracket	1
23	99-K26	Flange Bolt, 1/4 x 3/4	4
24	99-E20	Flange Nut, 1/4	2
25	95-04	Flat Washer, 1/4 SAE	6
26	99-E39	Locknut, Nylon 1/4	2
27	TR-967	Shifter Lock Strap	2

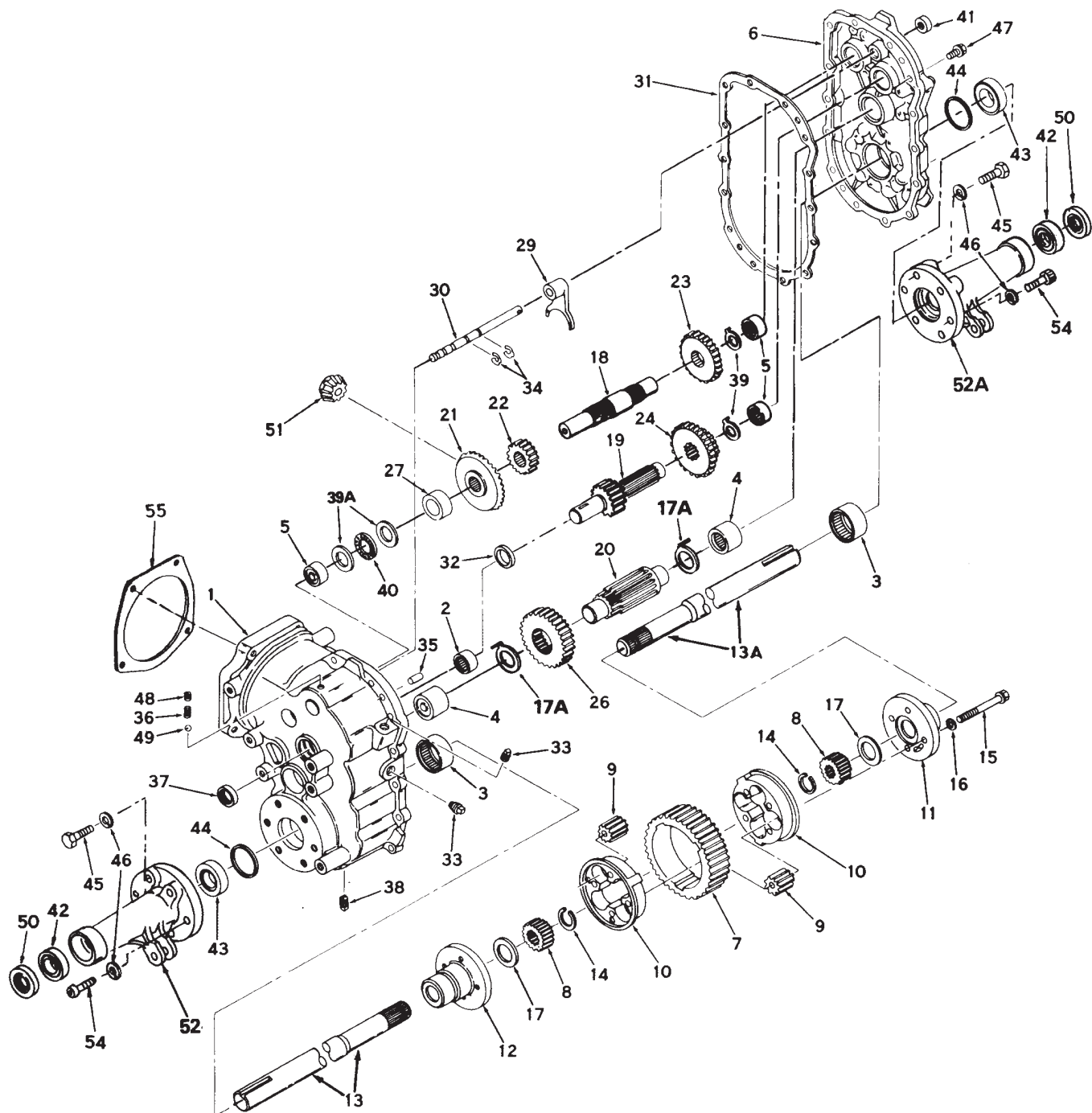
Peerless Transaxle
Model 2558
Serial No. 1001 - 2000
Figure 24



Parts List for Figure 24

Ref	Part no.	Description	Quantity
For all 420 tractors (Serial No. 1001 - 2000)			
1	51-770060B	Transaxle Case (Incl. Ref 2,3,4,5)	1
2	51-780097	Needle Bearing	1
3	51-780098	Needle Bearing	2
4	51-780099	Needle Bearing	2
5	51-780100	Needle Bearing	3
6	51-772065	Transaxle Cover (Incl. Ref 3,4,5)	1
7	51-778084	Ring Gear	1
8	51-778085	Side Gear	2
9	51-778086	Pinion Gear	8
10	51-786054	Core Body	2
11	51-774199	Differential Carrier	1
12	51-774200	Differential Carrier	1
13	51-014	Left Axle, 18-7/32" (774594)	1
13A	51-015	Right Axle, 16-17/32" (774593)	1
14	51-792062	Snap Ring	2
15	51-792063	Differential Bolt	4
16	51-792011	Lockwasher, 3/8	4
17	51-780101	Thrust Washer	2
17A	51-780156	Thrust Washer, Tabbed	2
18	51-776209	Counter Shaft	1
19	51-776119	Brake Shaft	1
20	51-776120	Output Pinion	1
21	51-778087	Bevel Gear, 30 teeth	1
22	51-778088	Spur Gear, 16 teeth	1
23	51-778099	Spur Gear, 20 teeth	1
24	51-778100	Cluster Gear	1
25	51-778102	Spur Gear, 17 teeth	1
26	51-778103	Output Gear, 33 teeth	1
29	51-784195	Shifter Fork	1
30	51-784196	Shifter Rod	1
31	51-788047	Gasket, Case	1
32	51-780005	Spacer	1
34	51-792064	Snap Ring	2
36	51-792003	Detent Spring	1
37	89-008	Seal, Brake Shaft (788008)	1
39	51-780157	Thrust Washer, Tabbed	2
39A	51-780045	Thrust Washer	2
40	51-780012	Thrust Bearing	1
41	89-007	Seal, Shifter Rod (788034)	1
42	51-780103	Bearing, Axle (Serial No. 1001 - 1135)	2
	51-780103	Bearing, Axle (Serial No. 1136 -)	4
43	51-780104	Thrust Bearing	2
44	51-021	O-Ring, Square Cut (788048)	2
47	51-792067	Screw, 5/16 x 1"	14
48	51-792068	Detent Set Screw, 1/4 x 1/2	1
49	51-792004	Detent Ball	1
50	89-006	Seal, Axle (788049)	2
51	51-011	Pinion Gear (778093A)	1
52	51-782039	Right Axle Housing, 7-31/32" (Serial No. 1001 - 1135)	1
	51-782068	Right Axle Housing, 7-31/32" (Serial No. 1136 -)	1
53	51-782040	Left Axle Housing, 8-25/32" (Serial No. 1001 - 1135)	1
	51-782069	Left Axle Housing, 8-25/32" (Serial No. 1136 -)	1
54	99-16	Bolt, 1/2 x 2-3/4 SHCS (Left Side)	4
	99-21	Bolt, 1/2 x 1-1/2 SHCS (Right Side)	4
55	21-005	Gasket, Motor (788050)	1

Peerless Transaxle
Model 2561
Serial No. 2001 -
Figure 26



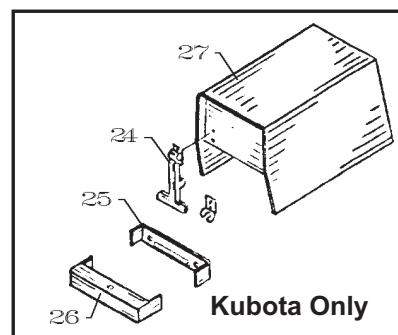
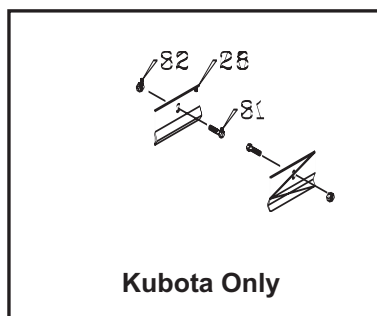
Parts List for Figure 26

Ref	Part no.	Description	Quantity
For all 420 tractors (Serial No. 2001 -)			
1	51-770060B	Transaxle Case (Incl. Ref. 2,3,4 & 5)	1
2	51-780097	Needle Bearing	1
3	51-780098	Needle Bearing	2
4	51-780099	Needle Bearing	2
5	51-780100	Needle Bearing	3
6	51-772065	Transaxle Cover (Incl. Ref 3,4,5)	1
7	51-778084	Ring Gear	1
8	51-778085	Side Gear	2
9	51-778086	Pinion Gear	8
10	51-786054	Core Body	2
11	51-774199	Differential Carrier	1
12	51-774200	Differential Carrier	1
13	51-774890	Axle, 18-7/32" long	1
13A	51-774889	Axle, 16-17/32" long	1
14	51-792062	Snap Ring	2
15	51-792063	Differential Bolt	4
16	51-792011	Lockwasher, 3/8	4
17	51-780101	Thrust Washer	2
17A	51-780156	Thrust Washer (tabbed)	2
18	51-776209	Counter Shaft	1
19	51-776122	Brake Shaft	1
20	51-776120A	Output Pinion	1
21	51-778087	Bevel Gear, 30 teeth	1
22	51-778088	Spur Gear, 16 teeth	1
23	51-778096	Spur Gear, 23 teeth	1
24	51-778097	Cluster Gear, 20 & 27 teeth	1
26	51-778098	Output Gear, 37 teeth	1
27	51-786094	Spacer	1
29	51-784195	Shifter Fork	1
30	51-784196A	Shifter Rod	1
31	51-788047	Gasket, Case & Cover	1
32	51-780005	Spacer	1
33	51-792010	Plug, Pipe	2
34	51-792064	Snap Ring	2
35	51-786026	Pin, Dowel	2
36	51-792003	Detent Spring	1
37	89-008	Seal, Oil (788008)	1
38	51-792019	Magnetic Drain Plug	1
39	51-780157	Thrust Washer, Tabbed	2
39A	51-780045	Thrust Washer	2
40	51-780012	Thrust Bearing	1
41	89-007	Oil Seal (788034)	1
42	51-780158	Bearing, Axle	4
43	51-780104	Thrust Bearing	2
44	51-021	O-Ring, Square Cut (788048)	2
45	90-0820	Bolt, 1/2 x 2-1/2	2
46	51-792066	Lockwasher, 1/2	8
47	51-792067	Screw, 5/16 x 1	14
48	51-792068	Detent Set Screw, 1/4 x 1/2	1
49	51-792004	Detent Ball	1
50	51-788073	Seal, Axle	2
51	51-011	Pinion Gear (778093A)	1
52	51-782071	Axle Housing, Left 8.770" long	1
52A	51-782072	Axle Housing, Right 7.970" long	1
54	90-0812	Cap Screw, 1/2 x 1-1/2	4
55	21-005	Gasket, Motor (788050)	1

section 4

This technical drawing shows an exploded perspective view of a mechanical assembly. The components are numbered as follows:

- 1:** A rectangular plate with diagonal hatching.
- 2:** A small circular pin or rivet.
- 3:** A trapezoidal plate with diagonal hatching.
- 4:** A rectangular plate with a central square cutout.
- 5:** A vertical support plate with a hatched pattern.
- 6:** A cylindrical component, possibly a bush or a small roller.
- 7:** A small circular pin or rivet.
- 8:** A small circular pin or rivet.
- 9:** A small circular pin or rivet.
- 10:** A small circular pin or rivet.
- 11:** A small circular pin or rivet.
- 12:** A small circular pin or rivet.
- 13:** A small circular pin or rivet.
- 14:** A small circular pin or rivet.
- 15:** A triangular plate with diagonal hatching.
- 16:** A rectangular plate with diagonal hatching.
- 17:** A small circular pin or rivet.
- 18:** A small circular pin or rivet.
- 19:** A small circular pin or rivet.
- 20:** A small rectangular plate with diagonal hatching.
- 21:** A small rectangular plate with diagonal hatching.
- 22:** A small rectangular plate with diagonal hatching.
- 23:** A small circular pin or rivet.
- 29:** A small circular pin or rivet.
- 31:** A small circular pin or rivet.
- 32:** A small circular pin or rivet.
- 33:** A small circular pin or rivet.
- 34:** A small circular pin or rivet.
- 35:** A rectangular plate with diagonal hatching.



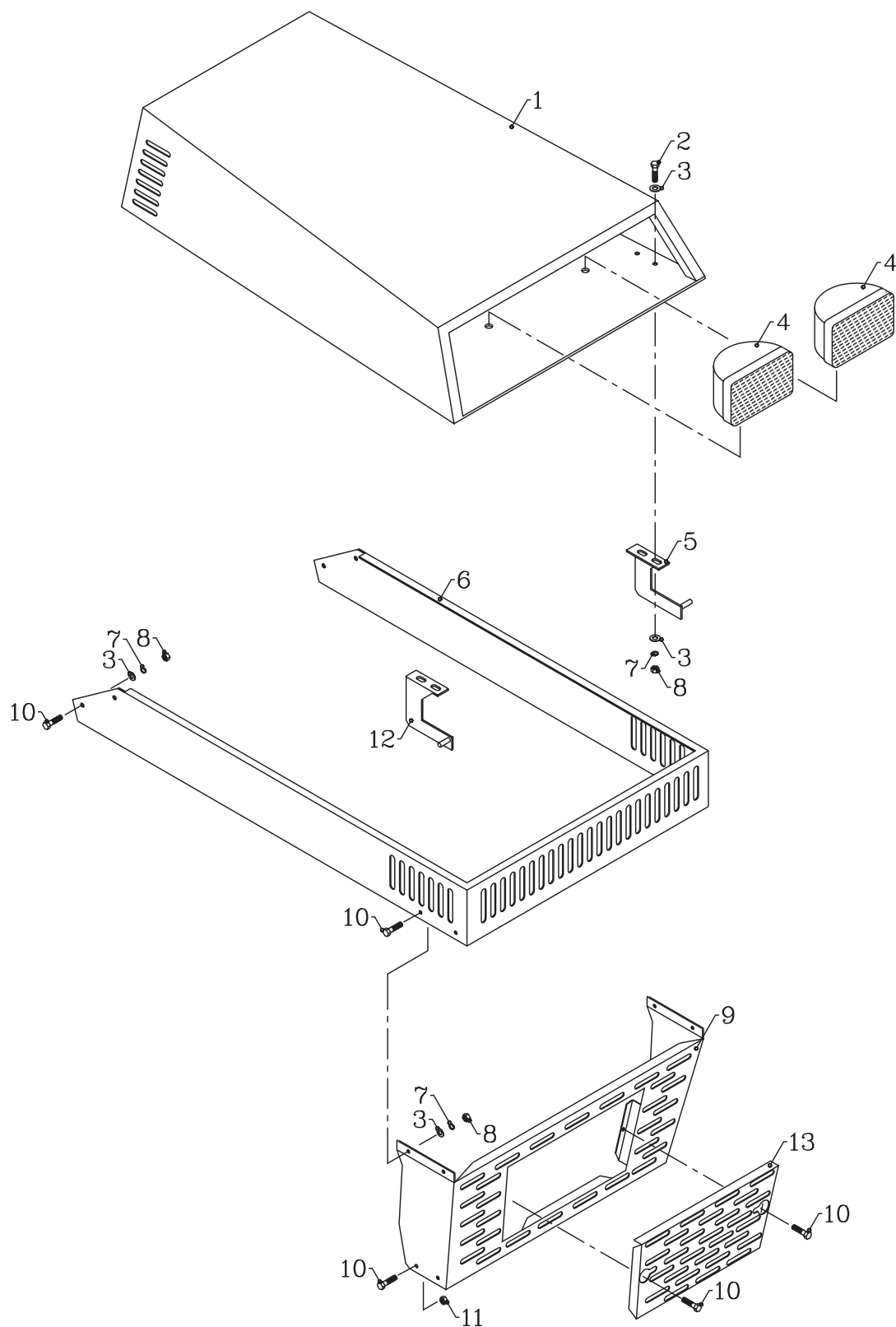
Ref	Part no.	Description	Quantity
1	60-261	Lid, Tool Box (Onan Only)	2
	56-027-16	Trim-loc Trim for 60-261	2
2	99-E20	Flange Nut, 1/4	16
3	47-029	Seat, Deluxe (Serial No. 1001 - 3612)	
		without Switch, with Arm Rests	1
	47-081802977	Arm Rest for 47-029	1
	31-012	Seat Switch for 47-029	1
	47-113	Seat Only (Serial No. 3613 -)	
	31-032	Seat Switch for 47-093	1
	99-K31	Flange Bolt for 31-032 Seat Switch	2
	30-206	Pigtail for 31-032 Seat Switch	1
	47-094	Latch Adjuster Rail	1
	47-095	Slave Adjuster Rail	1
	99-23	Bolt, 5/16 x 1/2, Socket Head for Slider Rail	4
	47-096	Arm Rest, Right	1
	47-097	Arm Rest, Left	1
	99-K28	Flange Bolt, 5/16 x 1/2, Arm Rest	4
	75-70422	Kit, Grammer Seat (Optional)	1

Parts List for Figure 12 (continued)

Ref	Part no.	Description	Quantity
4	62-439	Plate, Seat (Serial No. 1001 - 3612)	1
	62-811	Plate, Seat (Serial No. 3613 -)	1
	60-574	Plate, Seat (Optional Grammer Seat)	1
5	62-435	Frame, Rear	1
6	29-010	Fitting, Grease	1
7	99-E04	Locknut, 1"	1
8	93-10	Nut, 5/8 NF	2
9	96-10	Lock Washer, 5/8	2
10	62-116	Link, Center	1
11	91-1016	Bolt, 5/8 x 2 NF (Serial No. 1001 - 2999)	2
	91-1020	Bolt, 5/8 x 2-1/2 NF (Serial No. 3000 -)	2
12	90-0814	Bolt, 1/2 x 1-3/4 -Transaxle mounting	6
	90-0810	Bolt, 1/2 x 1-1/4 -Transaxle mounting	2
	90-0816	Bolt, 1/2 x 2 -Transaxle mounting (at brake lever)	1
	99-F26	Bolt, 1/2 x 1-1/4 Special-Transaxle mtg.(at disk brake)	1
13	96-08	Lock Washer, 1/2	10
14	99-K26	Flange Bolt, 1/4 x 3/4	12
15	60-266	Fender, Front Right	1
	60-267	Fender, Front Left	1
16	62-434	Frame, Gas Tank	1
17	47-007	Cap, Fuel	1
18	24-010	Cap, 2" NPT (for Kubota diesel only)	1
	29-015	Cap, 2" NPT (for Onan, Kohler and Kubota gas only)	1
19	29-016	Valve, Fuel Shutoff	1
20	60-264	Fender, Right Rear	1
	60-265	Fender, Left Rear	1
21	33-008	Tail Light	2
22	60-277	Shield, Rear Motor	1
23	99-A04	Locknut, 1/4	4
24	47-030	Rubber Latch	2
25	64-243	Battery Holder, Front (Kubota Only)(SN 1001 - 1733)	1
26	64-242	Battery Holder, Rear (Kubota Only)(SN 1001 - 1733)	1
27	60-302	Lid, Rear Fender (Kubota Only)	2
	56-027-26	Trim-loc Trim for 60-302	2
28	64-575	Battery Holder, Side (Kubota Only) (Serial No. 1734 -)	2
29	64-460	Toe Guards (Serial No. 1136 -)	1
30	99-K31	Flange Bolt, 1/4 x 1/2	4
31	99-K28	Flange Bolt, 5/16 x 1/2	2
32	99-E12	Flange Nut, 5/16	2
33	05-029	Seat Bumper	2
34	06-037	Seat Spacer	4
35	60-583	Rear Axle Guard (Serial No. 3000 -)	1
*	33-012	Reflector, Amber Oval	2
*	00-180	Decal, 4-Wheel Drive	1
*	00-106	Decal, Gas Symbol	1
*	00-076	Decal, Diesel Fuel	1
*	00-219	Decal, Transaxle 2-N-1 Symbol (Vertical)	1
*	00-062	Decal, Tire Specifications	1
*	00-072	Decal, Parking Brake Symbol	1
*	00-093	Decal, Warning Read Owner's Manual	1
*	00-220	Decal, Caution Shift Both	1

* Not Illustrated

Hood and Grille Parts Figure 13

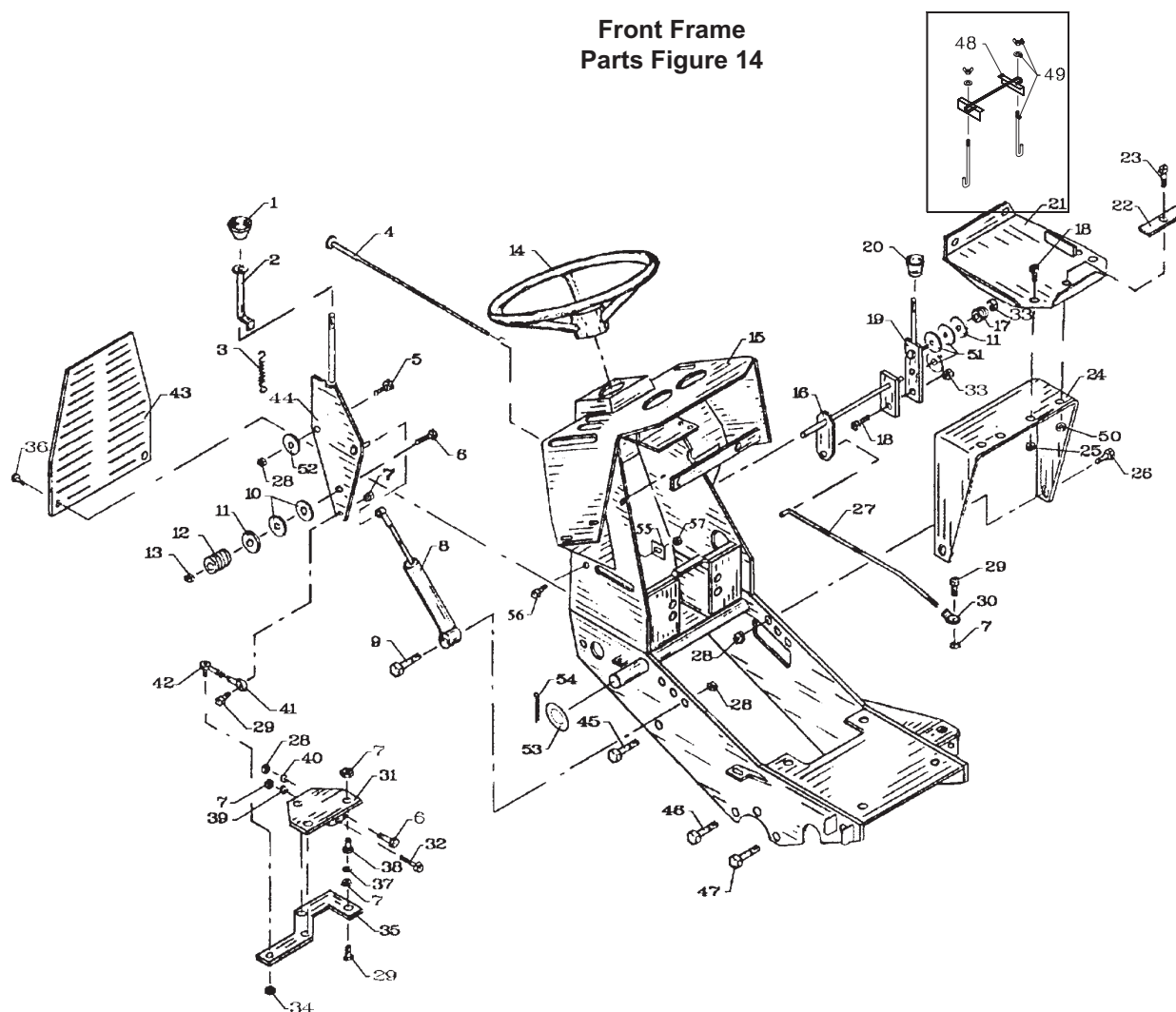


Parts List for Figure 13

Ref	Part no.	Description	Quantity
1	60-263	Hood	1
	60-360	Hood Panel for Onan & Kohler Only	1
	56-027-29	Trim-loc Trim for 60-263	1
	56-003-15	Weatherstrip for 60-263	1
2	90-0408	Bolt, 1/4 x 1	4
3	94-04	Washer, 1/4	12
4	33-006	Head Light (Serial No. 1001 - 2644)	2
	33-010	Bulb, 50W Head Light	1
	33-017	Head Light (Serial No. 2645 -)	2
	33-018	Bulb, Sealed Beam	1
5	64-181	Hood Hinge, Left	1
6	60-260	Side Panel, Onan & Kohler	1
	60-366	Side Panel, Kubota	1
7	96-04	Lock Washer, 1/4	12
8	92-04	Nut, 1/4	12
9	62-438	Grill Assembly, Onan (Serial No. 1001 - 2999)	1
	62-560	Grill Assembly, Kubota (Serial No. 1001 - 2999)	1
	60-580	Grill Assembly, Onan & Kohler (Serial No. 3000 -)	1
	60-579	Grill Assembly, Kubota (Serial No. 3000 -)	1
*	64-241	Spacer, Grill lower left - Kubota (Serial No. 3000 -)	1
10	99-K26	Flange Bolt, 1/4 x 3/4	14
11	99-E20	Flange Nut, 1/4	4
12	64-182	Hood Hinge, Right	1
13	60-581	Grill Hatch (Serial No. 3000 -)	1
*	00-059	Decal, Steiner	2
*	00-095	Decal, 420	2
*	00-025	Decal, Warning Keep Hands Away From Belt	1

* Not Illustrated

Front Frame
Parts Figure 14



Parts List for Figure 14

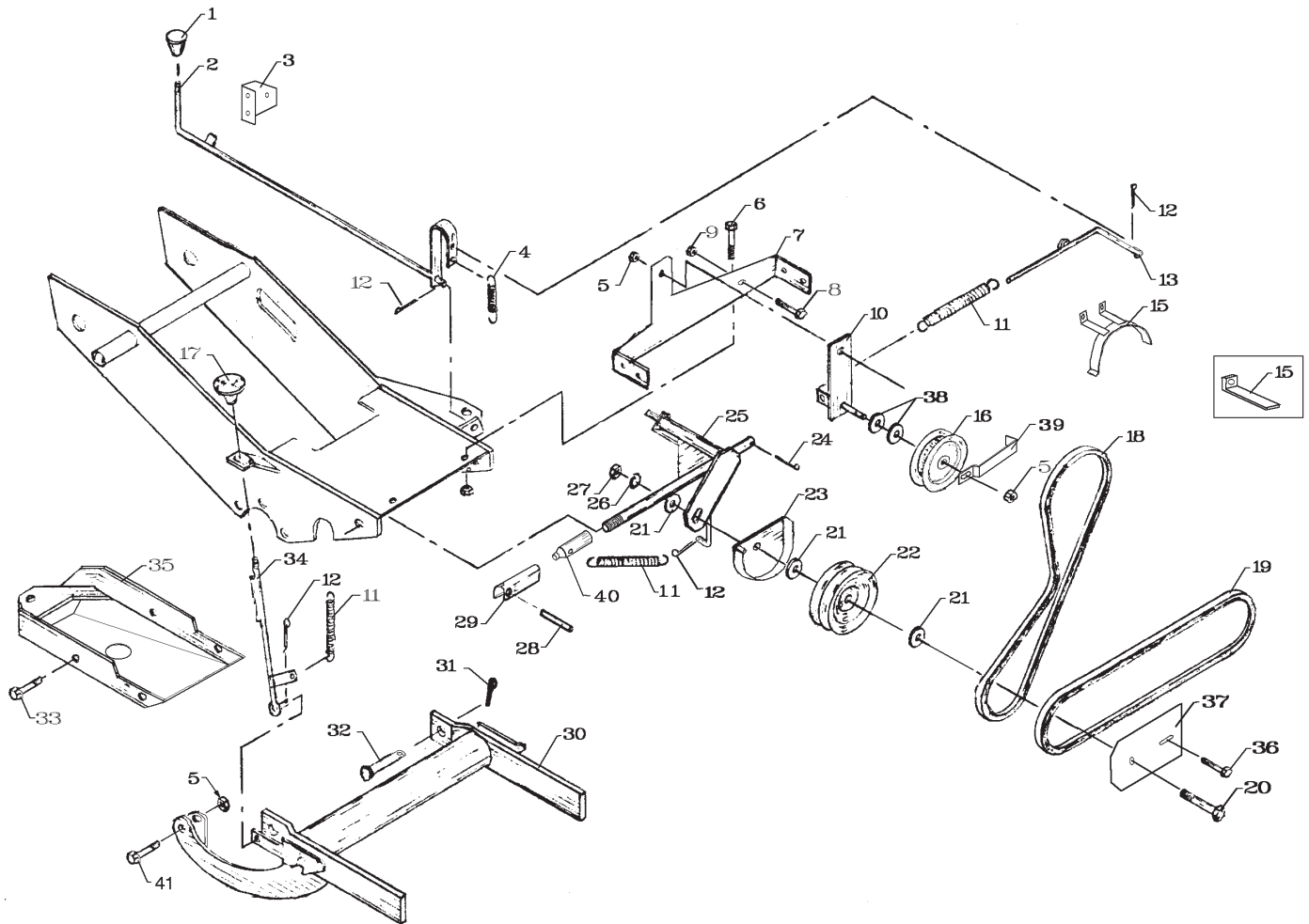
Ref	Part no.	Description	Quantity
1	47-003	Knob Large	1
2	40-153	Neutral Tube	1
3	41-013	Spring	1
4	47-023	Cable, Choke (Onan)	1
	47-032	Cable, Choke (Kubota Gas)	1
	47-101	Cable, Choke (Kohler)	1
	00-026	Decal, Choke (Gas Only)	1
5	90-0614	Bolt, 3/8 x 1-3/4	1
6	90-0614	Bolt, 3/8 X 1-3/4	1
7	92-04	Nut, 1/4	4
8	42-417	Stabilizer	1
9	90-0616	Bolt, 3/8 x 2	1
10	05-024	Washer, Friction	2
11	99-B10	Washer	2
12	41-039	Spring, Compression	1
13	99-A06	Locknut, 3/8	1
14	47-082	Wheel, Steering (Serial No. 1001 - 4311)	1
	47-082A	Insert, Center for 47-082	1
	47-103	Wheel, Steering (Serial No. 4312 -)	1
	47-104	Insert, Center for 47-103	1
	00-216	Decal, Steiner Steering Wheel	1

Parts List for Figure 14 Continued

Ref	Part no.	Description	Quantity
15	62-433	Frame, Main (Serial No. 1001 - 3172)	1
		also order part no. 64-766 Shifter Bracket	1
	62-433	Frame, Main (Serial No. 3173 -)	1
16	42-252	Linkage, Throttle	1
17	41-055	Spring, Compression	1
18	90-0508	Bolt, 5/16 x 1 (Onan)	1
	99-K51	Flange Bolt, 1/4 x 1-1/4 (Kohler)	2
19	40-142	Lever, Throttle	1
20	47-001	Knob, Small	1
21	64-170	Battery Tray (Onan) (Serial No. 1001 - 1733)	1
	64-574	Battery Tray (Onan & Kohler) (Serial No. 1734 -)	1
22	64-006	Battery Hold Down (Onan)(Serial No.1001 - 1733)	1
23	90-0516	Bolt, 5/16 x 2 (Onan) (Serial No. 1001 - 1733)	1
24	64-174	Battery Support (Onan & Kohler)	1
25	92-05	Nut, 5/16	2
26	90-0608	Bolt, 3/8 x 1	4
27	42-254	Rod Throttle (Onan)	1
	42-487	Rod Throttle (Kohler)	1
28	92-06	Nut, 3/8	7
29	90-0408	Bolt, 1/4 X 1	3
30	43-004	Rod End (Onan)	1
31	40-135	Hub, Pump Lever	1
32	90-0416	Bolt, 1/4 X 2	1
33	99-A05	Locknut, 5/16 (Onan)	1
	99-K27	Flange Nut, 1/4 (Kohler)	1
34	93-04	Nut, 1/4 NF	1
35	40-134	Arm, Pump	1
36	99-C0406	Bolt, Self-Tapping	2
37	95-04	Washer, 1/4 NF	3
38	05-025	Rubber Grommet	3
39	96-04	Lock Washer, 1/4	7
40	96-06	Lock Washer, 3/8	7
41	43-004M	Rod End	1
42	43-004S	Rod End	1
43	60-303	Panel, Pump Access	1
44	40-152	Forward-Reverse Lever	1
*	05-025	Grommet, 1/4 ID x 5/8 OD	1
45	90-0810	Bolt, 1/2 x 1-1/4 -Transaxle Mounting, Right Side	1
	90-0814	Bolt, 1/2 x 1-3/4 -Transaxle Mounting, Left Side	2
46	90-0818	Bolt, 1/2 x 2-1/4 -Transaxle Mounting, Right Side	1
	90-0822	Bolt, 1/2 x 2-3/4 -Transaxle Mounting, Left Side	2
47	99-14	Bolt, 1/2 x 1-3/4 Socket Head-Transaxle Mtg, Rt. Side	1
	99-16	Bolt, 1/2 x 2-3/4 Socket Head-Transaxle Mtg, Lt. Side	1
48	33-016	Battery Hold Down (Onan & Kohler) (SN 1734 -)	1
49	99-K32	J-Bolt Assembly (Onan & Kohler) (Serial No. 1734 -)	2
50	92-05	Nut, 5/16 (Onan & Kohler) (Serial No. 1001 - 1733)	2
51	05-028	Friction Washer, 5/16 Hole	3
52	94-06	Flat Washer, 3/8	1
53	99-B13	Machinery Washer, 1" 14ga.	1
54	02-CP0510	Cotter Pin, 5/32 x 1-1/4	1
55	64-742	Stop, Forward-Reverse Lever (Serial No. 3000 -)	1
56	99-K26	Flange Bolt, 1/4 x 3/4 (Serial No. 3000 -)	1
57	99-E20	Flange Nut, 1/4 (Serial No. 3000 -)	1
*	00-187	Decal, Dash Panel	1
*	00-220	Decal, Caution Shift Both	1
*	00-075	Decal, Light Switch Symbol	1
*	00-089	Decal, Ignition Switch Symbol	1
*	00-060	Decal, Fill With TRC Fluid	1
*	00-103	Decal, Transaxle 2 - 1 Symbol	1
*	00-200	Decal, Do Not Tow	1

* Not Illustrated

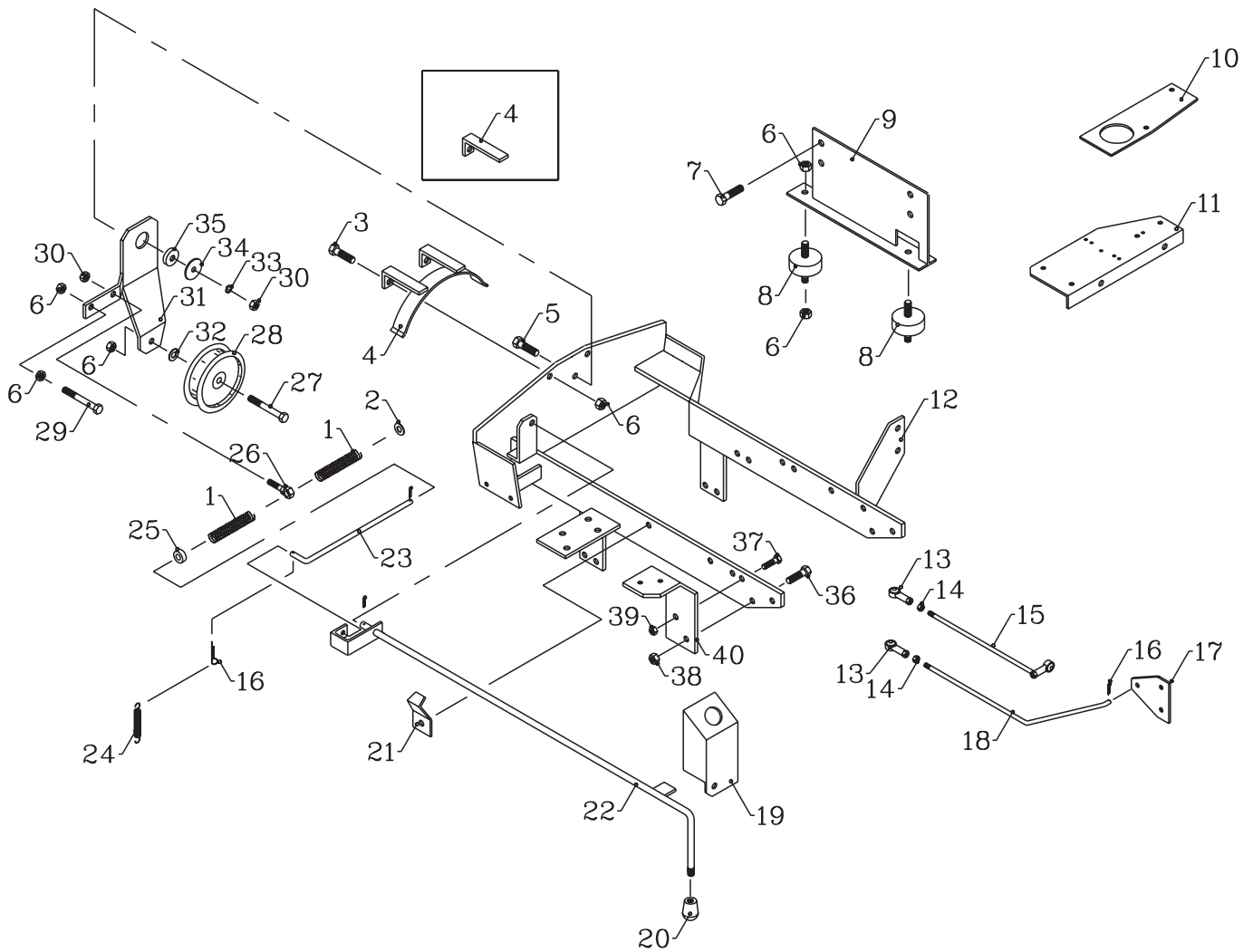
PTO and Front
Lift Parts
Figure 15



Parts List for Figure 15

Ref	Part no.	Description	Quantity
1	47-001	Knob, Small	1
2	40-138	Lever, PTO (Onan & Kohler)	4
3	64-207	PTO Switch Mount (Onan & Kohler)	1
	00-071	Decal, PTO Clutch Symbol	1
4	41-013	Spring	1
5	99-A06	Locknut, 3/8	3
6	90-0616	Bolt, 3/8 x 1-1/2	2
7	62-817	Support, Front End (Onan & Kohler)	1
8	90-0516	Bolt, 5/16 x 2	1
9	99-E12	Flange Nut, 5/16	1
10	40-230	Arm, Idler (Onan)	1
	40-318	Arm, Idler (Kohler)	1
11	41-010	Spring	3
12	02-CP0308	Cotter Pin	4
13	42-251	Link, PTO Spring	1
14	90-0608	Bolt, 3/8 x 1"	1
15	64-179	Belt Retainer (Serial No. 1001 - 2999)	1
	64-740	Belt Retainer (Onan) (Serial No. 3000 -)	1
	64-741	Belt Retainer (Kubota) (Serial No. 3000 -)	1
	42-486	Belt Retainer (Kohler)	1
16	83-013	Idler, Flat (Serial No. 1001 - 3155)	1
	83-029	Idler, Flat (Serial No. 3156 -)	1
17	47-003	Knob, Large (Onan & Kohler)	1
	47-001	Knob, Small (Kubota)	1
18	81-A038	Belt, Engine (Serial No. 1001 - 2999)	1
	81-B039	Belt, Engine (Serial No. 3000 -)	1
19	81-A040	Belt, Implement	1
20	90-0828	Bolt, 1/2 x 3-1/2	1
21	95-08	Flat Washer, 1/2 SAE	1
22	83-026	Pulley with Bearings	1
	83-MK173	Bushing for 83-026	1
	55-6204	Bearing for 83-026	2
23	64-103	Belt Retainer (Serial No. 1001 - 2999)	1
	64-745	Belt Retainer (Serial No. 3000 -)	1
24	02-CP0512	Cotter Pin	1
25	62-441	Frame, Idler (Serial No. 1001 - 2999)	1
	62-760	Frame, Idler (Serial No. 3000 -)	1
	29-010	Grease Fitting (3889 -)	2
26	96-08	Lock Washer	1
27	92-08	Nut, 1/2	1
28	02-RP1220	Roll Pin (Serial No. 1001 - 2999)	1
	02-RP1224	Roll Pin (Serial No. 3000 -)	1
29	64-005	Idler Lock (Serial No. 1001 - 2999)	1
	64-739	Idler Lock (Serial No. 3000 - 4768)	1
	TR-965	Idler Lock (Serial No. 4769 -)	1
	41-062	Torsion Spring for 64-739 (Serial No. 3000 -)	1
30	62-833	Front Lift	1
31	02-CP0510	Cotter Pin	2
32	03-1022	Clevis Pin	2
33	90-0810	Bolt, 1/2 x 1-1/4	4
34	40-139	Lever, Implement Release (Onan & Kohler)	1
	40-165	Lever, Implement Release (Kubota)	1
35	62-693	Frame, Lower Front	1
36	90-0524	Bolt, 5/16 x 3 (Serial No. 1135 - 2520)	1
37	60-436	Pulley Shield (Serial No. 1135 - 2520)	1
38	95-06	Flat Washer, 3/8 SAE	5
39	64-746	Belt Guard (Onan & Kohler) (Serial No. 3000 -)	1
40	42-466	Adjuster Nut, PTO Idler (Serial No. 3000 - 4768)	1
	62-818	Adjuster Nut, PTO Idler (Serial No. 4769 -)	1
41	90-0618	Bolt, 3/8 x 2-1/4	1

Kubota
Sub-Frame
Parts
Figure 16



FRAME, DRIVE PARTS, AXLES

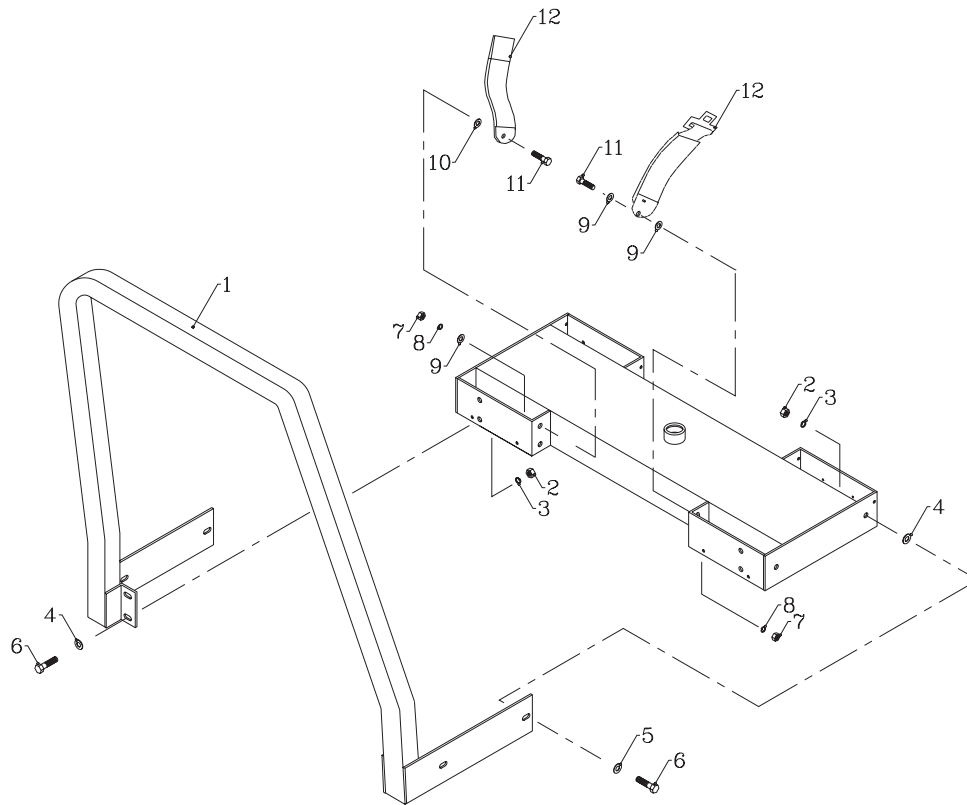
section 4

Parts List for Figure 16

Ref	Part no.	Description	Quantity
1	41-021	Compression Spring	2
2	95-06	Flat Washer	1
3	90-0612	Bolt, 3/8 x 1-1/2	1
4	64-179	Belt Retainer (Serial No. 1001 - 2999)	1
	64-741	Belt Retainer (Serial No. 3000 -)	1
5	90-0608	Bolt, 3/8 x 1 (Serial No. 1001 - 2510)	1
	90-0610	Bolt, 3/8 x 1-1/4 (Serial No. 2511 -)	1
6	92-06	Nut, 3/8	12
7	07-1012520	Bolt, M10 x 20	8
	07-C10	Lock Washer, M10	8
8	05-006	Engine Isolator	4
9	62-471	Plate, Engine Mount	2
10	64-416	Bracket, Hour Meter	1
11	64-417	Bracket, Solenoid & Relay Mount (Serial No. 1001 - 2999)	1
	64-417	Bracket, Solenoid & Relay Mount (Diesel)(Ser. No. 3000 -)	1
12	62-470	Sub-Frame, Kubota (Serial No. 1001 - 2999)	1
	62-759	Sub-Frame, Kubota (Serial No. 3000 -)	1
13	43-004A	Rod End, 1/4	2
14	93-04	Nut, 1/4	2
15	42-277	Solenoid Linkage, (Diesel Only)	1
16	02-CP0308	Cotter Pin	3
17	64-220	Throttle Lever Plate	1
18	42-276	Throttle Linkage, (Diesel Only)	1
	42-310	Throttle Linkage, (Kubota Gas Only)	1
19	64-215	Switch Mount, PTO	1
20	47-001	Knob	1
21	64-257	PTO Bracket (Serial No. 1001 - 2999)	1
22	40-186	PTO Lever	1
23	42-309	PTO Link	1
24	41-013	Spring	1
25	85-SC06	Set Collar, 3/8	1
26	64-285	Idler Fastener	1
27	90-0616	Bolt, 3/8 x 2	1
28	83-013	Flat Idler (Serial No. 1001 - 2999)	1
	83-029	Flat Idler (Serial No. 3000 -)	1
29	90-0620	Bolt, 3/8 x 2-1/2	1
30	99-A06	Locknut, 3/8	2
31	40-149	Idler Arm, PTO Clutch (Serial No. 1001 - 2510)	1
	40-291	Idler Arm, PTO Clutch (Serial No. 2511 -)	1
32	95-06	Flat Washer, 3/8 SAE	5
33	96-06	Lock Washer, 3/8 (Serial No. 2511 -)	1
34	99-B10	Special Washer (Serial No. 2511 -)	1
35	99-B40	Bushing, Idler Arm (Serial No. 2511 -)	1
36	99-K13	Flange Bolt, 3/8 x 1 (Serial No. 3000 -)	1
37	99-K02	Flange Bolt, 5/16 x 1 (Serial No. 3000 -)	1
38	99-E13	Flange Nut, 3/8 (Serial No. 3000 -)	1
39	99-E12	Flange Nut, 5/16 (Serial No. 3000 -)	1
40	64-734	Mount, Hydraulic Filter (Serial No. 3000 -)	1
*	00-078	Decal, Glow Plug Indicator (Diesel Only)	1
*	00-071	Decal, PTO Clutch Symbol	1

* Not Illustrated

MODEL RB420
Roll Bar Parts
Figure 21

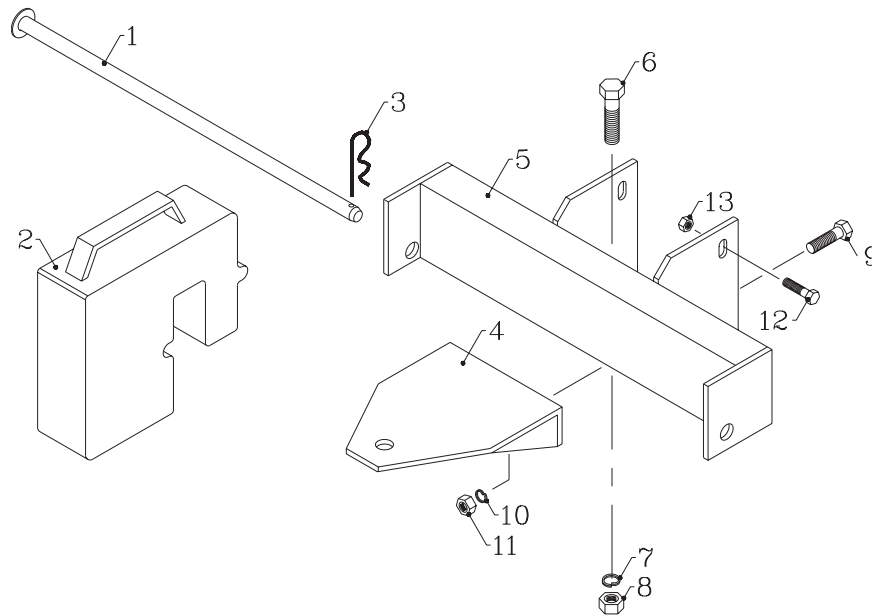


Parts List for Figure 21

Ref	Part No	Description	Quantity
1	62-664	Roll Bar, 420	1
2	92-08	Nut, 1/2	8
3	96-08	Lock Washer, 1/2	8
4	94-08	Flat Washer, 1/2	8
5	95-08	Flat Washer, 1/2 SAE	4
6	90-0812	Bolt, 1/2 X 1-1/2	8
7	92-07	Nut, 7/16	2
8	96-07	Lock Washer, 7/16	2
9	94-07	Flat Washer, 7/16	3
10	99-B12	Spacer, 1/4" thick	1
11	90-0710	Bolt, 7/16 x 1-1/4	2
12	47-059	Seat Belt Set	1
*	00-180	Decal, 4-Wheel Drive	2
*	00-170	Decal, Model RB420	1
*	00-209	Decal, Made in the USA	1
*	00-118	Decal, Spec. # for Roll Bars	1

* Not Illustrated

MODEL WB150
Rear Weight Bar
Attachment
Figure 17

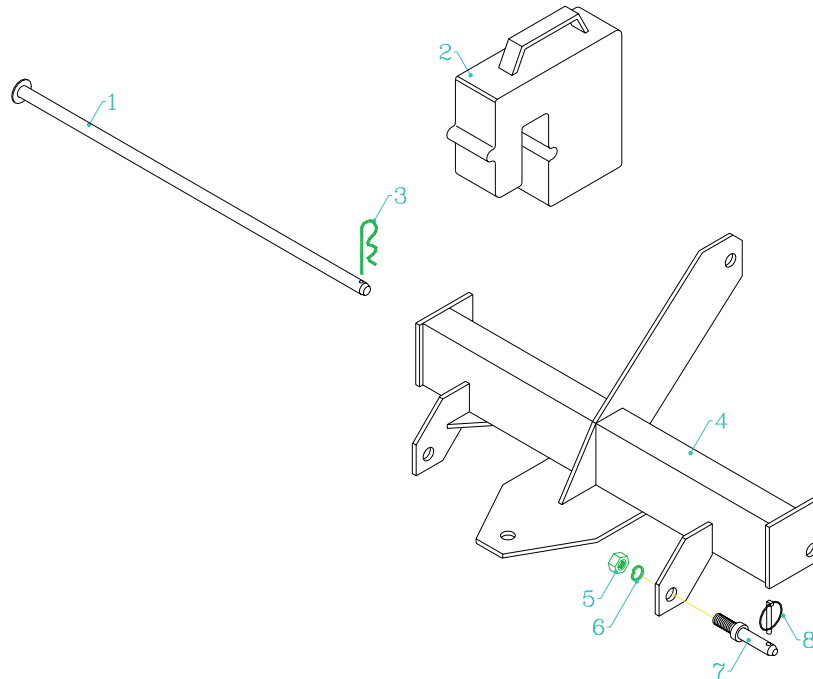


Parts List for Figure 17

Ref	Part no.	Description	Quantity
1	42-467	Weight Security Rod	1
2	62-540	Weight 55#	4
3	02-PP0420	Presto Pin, 1/8 x 2-9/16	1
4	62-542	Drawbar Hitch Extension	1
5	62-541	Tractor Weight Bar	1
6	90-1012	Bolt, 5/8 x 1-1/2	1
7	96-10	Lock Washer, 5/8	1
8	92-10	Nut, 5/8	1
9	90-0810	Bolt, 1/2 x 1-1/4	2
10	96-08	Lock Washer, 1/2	2
11	92-08	Nut, 1/2	2
12	90-0608	Bolt, 3/8 x 1	2
13	99-E13	Flange Nut, 3/8	2
*	00-174	Decal, Model WB150	1

*Not Illustrated

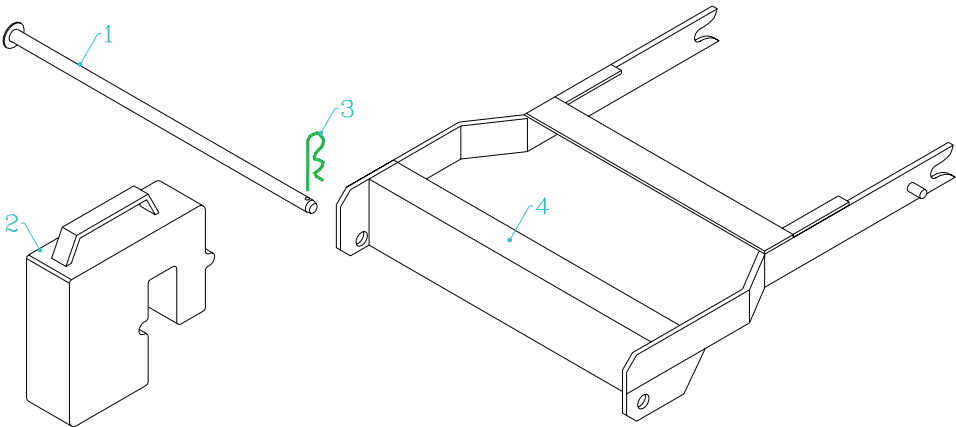
MODEL WB153
3 - Point Hitch
Rear Weight Bar
Attachment
Figure 27



Parts List for Figure 27

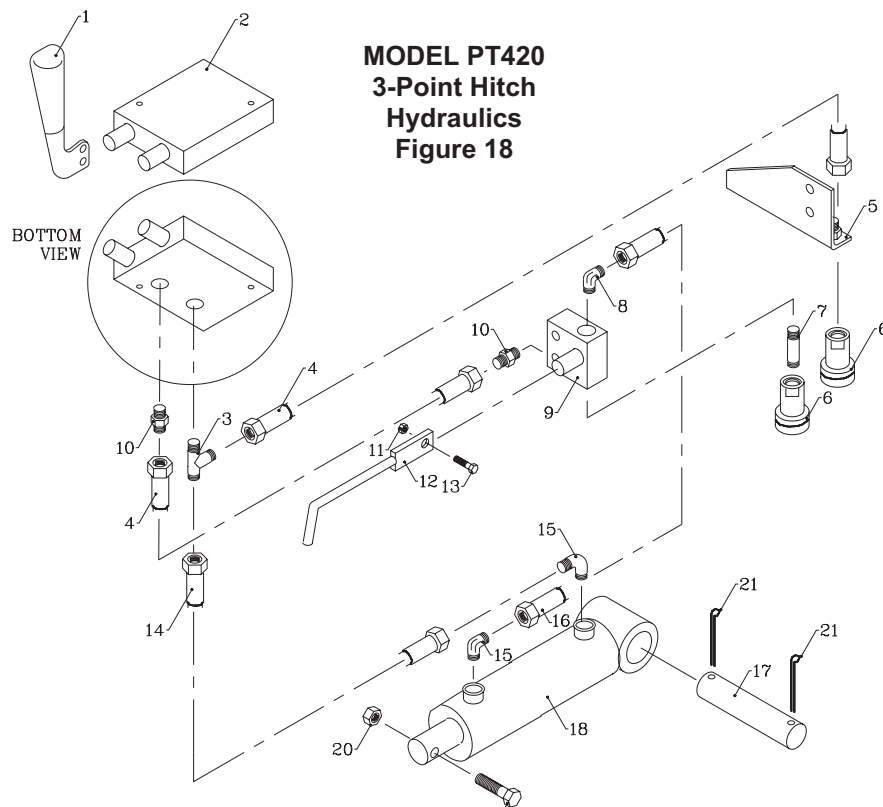
Ref	Part no.	Description	Quantity
1	42-432	Security Rod	1
2	62-540	Weight 55#	4
3	02-PP0524	Presto Pin, 5/32 x 2-15/16	1
4	62-707	Frame, 3-Point Weight Bar	1
5	92-10	Nut, 5/8	2
6	96-10	Lock Washer, 5/8	2
7	03-010	Lift Pin, Category "0"	2
8	03-015	Lynch Pin, Category "0"	2

MODEL WB140
Front Weight Bar
Attachment
Figure 25



Parts List for Figure 25

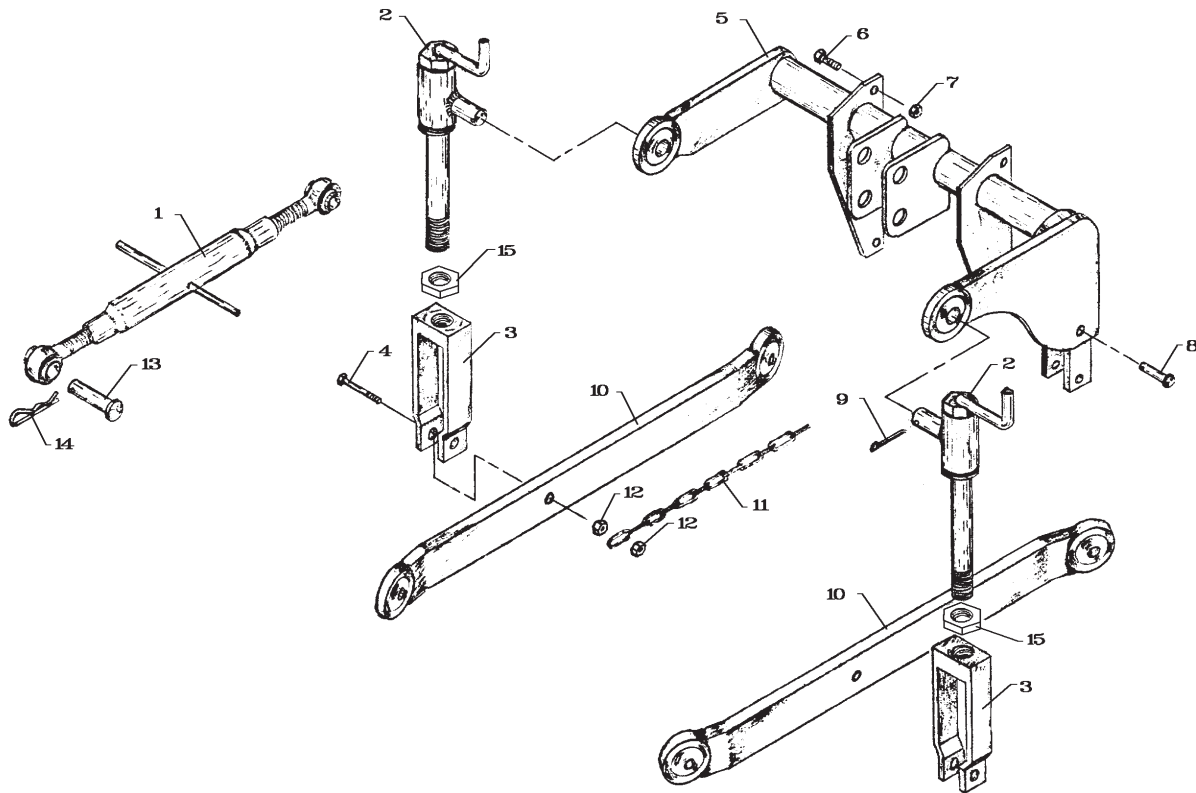
Ref	Part no.	Description	Quantity
1	42-467	Security Rod	1
2	62-540	Weight 55#	4
3	02-PP0524	Presto Pin	1
4	62-665	Frame, Front Weight Hitch	1



Parts List for Figure 18

Ref	Part no.	Description	Quantity
1	23-038	Handle, Onan & Kohler	2
	40-150	Handle, Kubota	2
2	23-035	Valve	1
3	25-053T-6-6	Fitting	1
4	20-026	Hose, 1/4 x 17	2
5	64-175	Coupler Bracket, Onan & Kohler	1
	64-219	Coupler Bracket, Kubota	1
6	23-003	Coupler, Female	2
	23-033	Dust Plug for 23-003	2
7	29-046	Nipple, 1/4 x 2	1
8	25-2503-6-6	Fitting, 90°, Onan & Kohler	1
	25-3503-6-6	Fitting, 45°, Kubota	1
9	23-036	Valve, Selector	1
10	25-0503-6-6	Fitting, Straight	1
11	99-AO4	Locknut, 3/8	1
12	40-143	Lever, Selector Valve, Onan & Kohler	1
	40-151	Lever, Selector Valve, Kubota	1
13	90-0408	Bolt, 1/4 x 1	1
14	20-010	Hose, 1/4 x 65	1
15	25-2103-6-6	Fitting	2
16	20-047	Hose, 1/4 x 58	1
17	64-007	Cylinder Pin	1
18	23-005	Cylinder	1
19	90-0618	Bolt, 3/8 x 2-1/4	1
20	99-A06	Locknut, 3/8	1

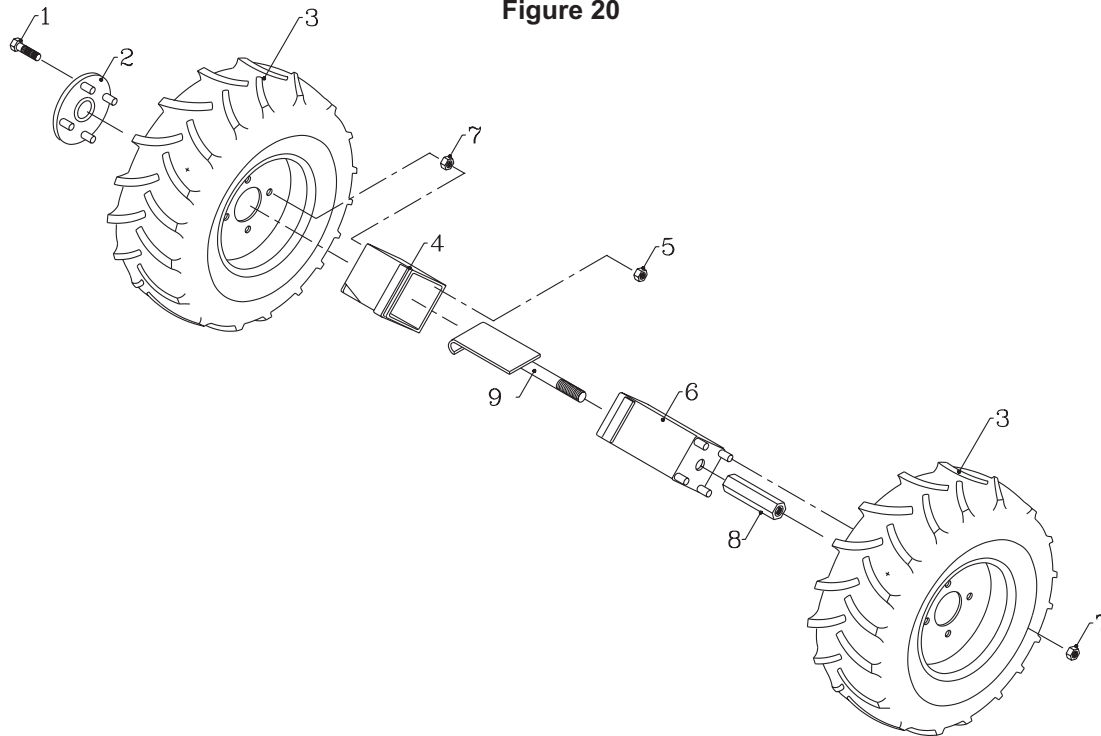
MODEL PT420
3-Point Hitch
Attachment Parts
Figure 19



Parts List for Figure 19

Ref	Part no.	Description	Quantity
1	47-009	Top Link	1
2	42-052	Lift Adjuster	2
3	42-053	Lift Link	2
4	90-0616	Bolt, 3/8 x 2	2
5	62-120	Rockshaft Assembly	1
6	90-0608	Bolt, 3/8 x 1	4
7	92-06	Nut, 3/8	8
8	03-0610	Clevis Pin	1
9	02-CP0410	Cotter Pin	2
10	62-121	Draft Link	2
11	56-018-12	Sway Chain, 12"	2
12	99-A06	Locknut, 3/8	4
13	03-1020	Clevis Pin	2
14	02-PP0318	Clip Pin	2
15	99-E27	Jam Nut, 3/4	2
16	03-1022	Clevis Pin, 5/8 x 2-3/4	2
17	96-06	Lock Washer, 3/8	4

MODEL DW100
Dual Wheel
Attachment Parts
Figure 20



Parts List for Figure 20

Ref	Part no.	Description	Quantity
1	99-F37	Bolt, 1/2 x 3 NF	16
2	53-058	Wheel Hub	4
3	53-015	Wheel & Tire Assembly, Left	2
	53-016	Wheel & Tire Assembly, Right	2
	53-081	Wheel & Tire Assembly, Turfmate	4
4	50-040	Square Driver, Inner	4
5	93-08	Nut, 1/2 NF	16
6	50-041	Square Driver, Outer	4
7	99-E01	Wheel Nut	16
8	50-092	Draw Nut	4
9	50-042	Hook Bolt	4

STATEMENT OF LIMITED WARRANTY

STEINER TURF EQUIPMENT INC. warrants its line of equipment to be free from defects in material and factory workmanship for a period of 12 months. This statement does not limit engine warranties in which the engine manufacturers carry extended time periods beyond the 12 months. Engine warranty claims will be subject to the engine manufacturer's approval.

Exception to this warranty period will be the Chipper/Shredder, Trencher and Generator, which carry a 90 day warranty. Homeowner warranties will be extended to a 24 month warranty on power units only.

Replacement Parts carry a 90 day replacement warranty and are reimbursed to the dealer, net of the prompt payment. All electrical and hydraulic parts are limited by this policy and will only be covered upon approval by the service department after the inspection of the part. The installation and removal of a part will automatically place that part under the replacement parts warranty.

This guarantee is limited exclusively to equipment manufactured or supplied by STEINER TURF and is subject to the inspection and analysis by the company to conclusively identify or confirm the nature and cause of failure.

PRODUCT REGISTRATION FORM must be completely filled out, signed by the customer, and returned to STEINER TURF before any warranty claims will be considered.

STEINER TURF reserves the right to incorporate improvements in material and design of its products without notice and is not obligated to make the same improvements to equipment previously manufactured.

STEINER TURF is not obligated under any warranty different from the warranty as published above.

STEINER TURF'S RESPONSIBILITIES

STEINER TURF'S obligation under the terms of this warranty is limited to the repair, replacement or credit, at its option, of the equipment, parts or supply items that conform to this warranty.

STEINER TURF will pay for the parts and the cost of surface transportation for the parts that conform to this warranty.

DEALER'S RESPONSIBILITIES

1. Only factory-trained service personnel will be permitted to perform warranty service on STEINER TURF equipment.
2. All major warranty claims such as overhauls - rebuilds must be authorized by STEINER TURF before work is performed.
3. All replacement parts used in warranty situations must be furnished by STEINER TURF or approved by STEINER TURF service personnel. The use of non-recommended oil or parts may void the warranty.

OWNER'S RESPONSIBILITIES

The owner is obligated to operate and maintain the equipment in accordance with the recommendations published by STEINER TURF in the owner/operator's manual for the unit. The owner is responsible for the costs associated with such maintenance and operating adjustments which may be required on a regularly scheduled basis. The owner is responsible for transportation to and from the dealership or service calls made by the dealer.

CONDITIONS WHICH VOID WARRANTY

This warranty shall not apply to equipment which:

1. Has had repairs or modifications not authorized by STEINER TURF.
2. Has been subject to abuse, improper maintenance, or improper application.

Attachments are intended for use only on tractors manufactured by Steiner Turf Equipment, Inc. Use in any other application may void the attachment warranty.

WARRANTY EXCEPTIONS

This warranty does not apply to the following items:

1. Wear items including blades, cutting edges, spark plugs, points and condensers, belts, filters, bearings, sprockets, chains, tires, light bulbs, lubricants and fluids.
2. Damages to engine/drive systems caused by a lack of/improper lubricants and/or fluids.
3. Damages to engine/drive systems caused by improper operation and/or maintenance.

FREIGHT CARRIER DAMAGE

Claims for equipment damaged in transit should be referred to the freight carrier. Visible damage should be reported immediately, and concealed damage as soon as possible, in accordance with freight carrier regulations.

Parts List for Figure 9A (Serial No. 3000 - 4451)

Ref	Part no.	Description	Quantity
1	11-029	Hose Clamp, 2-1/2" (Onan)	1
	11-018	Hose Clamp, 4" (Kubota)	2
2	64-736	Mounting Bracket, Expansion Tank (Onan)	1
		Mounting Bracket, Expansion Tank (Kubota) See Fig. 7	1
3	99-K26	Flange Bolt, 1/4 x 3/4 (Onan)	2
4	99-E20	Flange Nut, 1/4 (Onan)	2
5	27-001-21	Hose, Expansion Tank Overflow, 21" (Onan)	1
	27-001-29	Hose, Expansion Tank Overflow, 29" (Kubota)	1
6	29-047	Fitting, 90 deg.	3
7	24-039	Expansion Tank	1
8	27-001-25	Hose, Expansion tank Inlet, 25" (Onan)	1
	27-001-23	Hose, Ecpansion Tank Inlet 23" (Kubota)	1
9	29-032	Hex Pipe Cap, 3/8	1
10	29-011	Pipe Nipple, 3/8 x 6	1
11	25-212T-6-6	Fitting, Tee	1
12	25-2103-6-8	Fitting, 90 Degree	2
13	22-028	Hose, 1/2 x 59	1
14	25-05CP-10	Fitting, Cap	1
15	51-031	Transaxle, Front	1
16	25-6081-LL 1/4-8	Fitting, 90 Degree	2
17	20-044	Hose, 1/2 x 44	1
18	20-024	Hose, 1/2 x 27	1
19	22-045	Hose, 1/2 x 52	1
20	25-2503-8-8	Fitting, 90 Degree, O-Ring	3
21	21-003	Hydraulic Pump, Sundstrand 15-2059	1
22	24-036	Fitting	1
23	23-060	Tube, Steel Hydraulic (Onan)	1
	23-061	Tube, Steel Hydraulic (Kubota)	1
24	25-2103-12-12	Fitting, 90 Degree	2
25	21-073	Filter Head with 3/4" ports	1
26	21-093	Filter Element, Hydraulic	1
27	22-041	Hose, 3/4 x 43-1/2 (Onan)	1
	22-042	Hose, 3/4 x 42 (Kubota)	1
28	20-003	Hose, 1/2 x 64	1
29	29-106	Fitting, Vented w/ Cap	1
30	24-037	Fitting	1
31	25-3503-8-8	Fitting, 45 Degree, O-Ring	1
32	50-083	Tansaxle, Rear	1
33	21-004	Motor, Hydraulic	2
*	21-005	Gasket, Motor	1
34	29-039	Pipe, Nipple	1
35	25-012T-6-6	Fitting, Tee	1
36	25-3103-6-8	Fitting, 45 Degree	1
37	24-041	Dipstick, Hydraulic Oil	1

*Not Illustrated