PARTS BOOK

WETBLADE™ FLEXWING

• 15' CUT • DRAWBAR MOUNT •

DIAMOND MOWERS, LLC
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Foreword

This manual contains the parts breakdown and identification of the various components and structures that make up your mower implement.

The illustrations, drawings, and diagrams in this manual are based on the latest information available at the time of publication. Your machine may have product improvements and features not yet contained in this parts manual.

Diamond Mowers Inc. reserves the right to make changes at any time without notice or obligation.

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This manual should be consulted prior and while assembling the unit, and anytime parts or assembly clarification is needed.

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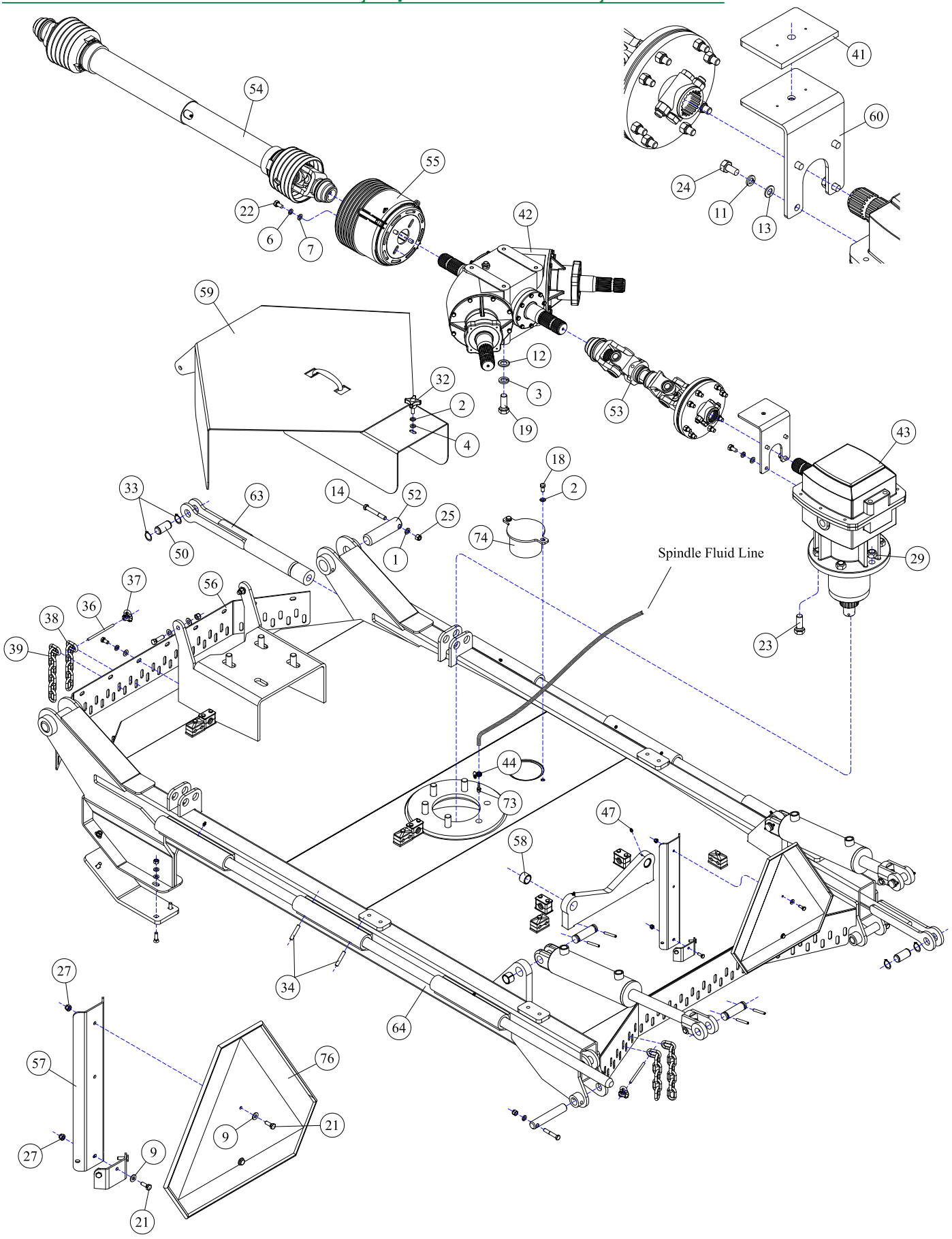
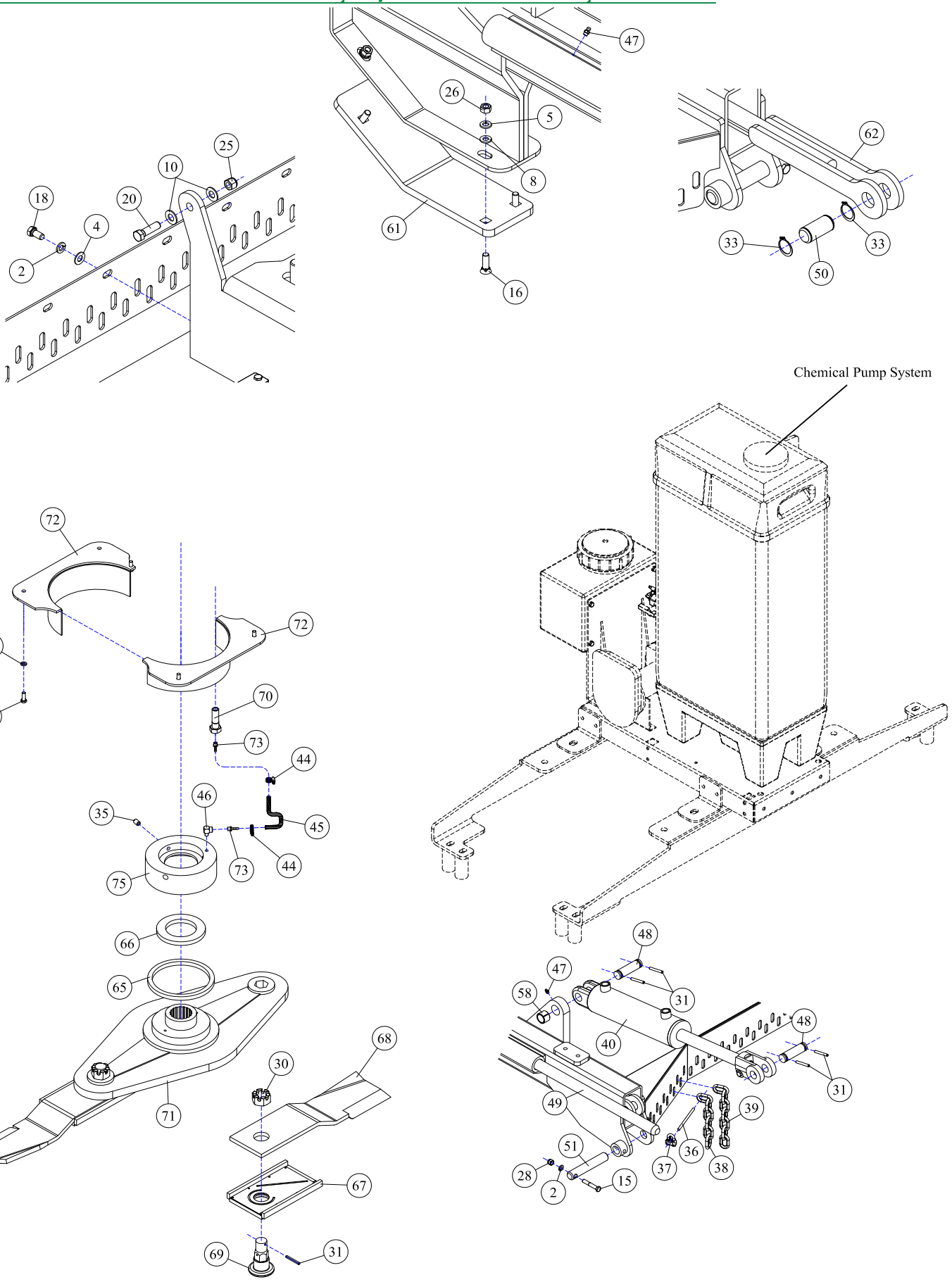
FRAME ASSEMBLIES

Diamond MOWERS™

FRAME ASSEMBLIES - CENTER FRAME, 15'/10' GEAR BOX DRIVE, WETBLADE™



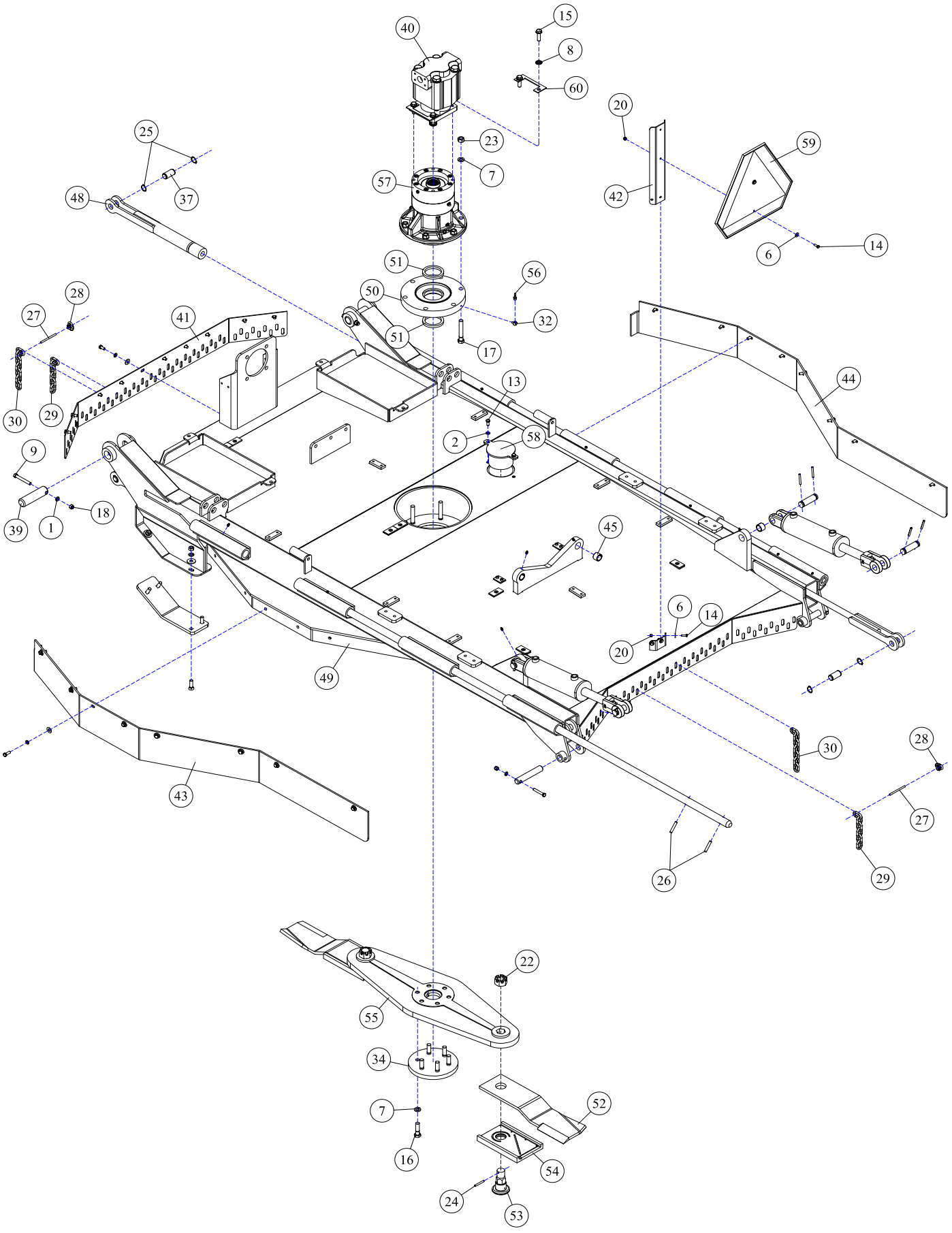
FRAME ASSEMBLIES - CENTER FRAME, 15'/10' GEAR BOX DRIVE, WETBLADE™



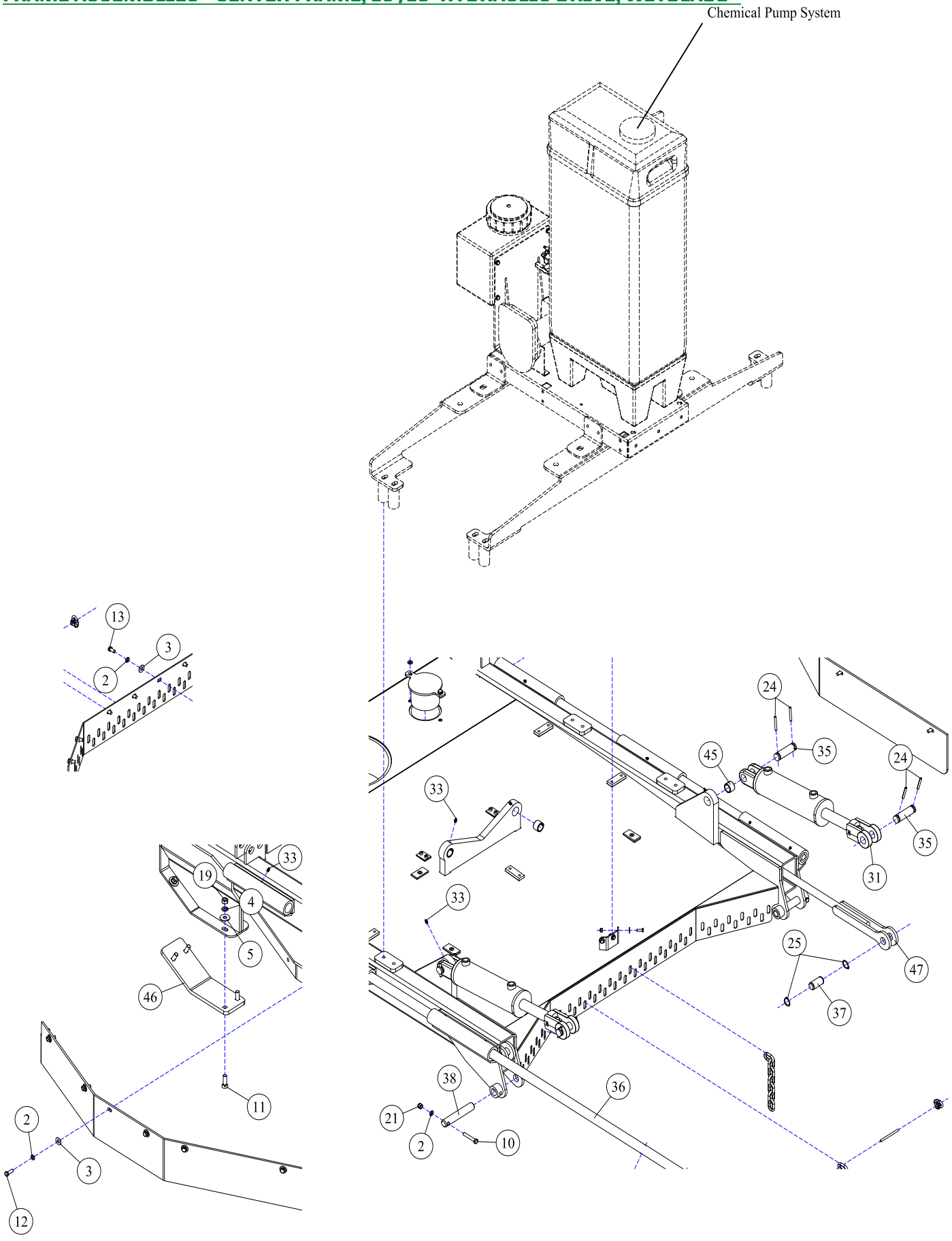
FRAME ASSEMBLIES - CENTER FRAME, 15'/10' GEAR BOX DRIVE, WETBLADE™

REF#	PARTS DESCRIPTION	REQ	PART #
1	7/16 LOCK WASHER	2	11-0003
2	3/8 LOCK WASHER	19	11-0005
3	3/4 LOCK WASHER	4	11-0007
4	3/8 FLAT WASHER	11	11-0009
5	1/2 LOCK WASHER	8	11-0011
6	5/16 LOCK WASHER	4	11-0013
7	5/16 FLAT WASHER	4	11-0015
8	1/2 FLAT WASHER	8	11-0018
9	1/4 FLAT WASHER	5	11-0023
10	7/16 FLAT WASHER	4	11-0024
11	10MM LOCK WASHER	4	11-0032
12	3/4 H.S. SAE FLAT WASHER	4	11-0039
13	10MM FLAT WASHER	4	11-0065
14	7/16 X 3-1/4 NC HEX CAPSCREW	2	11-0510
15	3/8 X 2-1/4 NC HEX CAPSCREW	2	11-0513
16	1/2 X 1-3/4 NC PLOW BOLT	8	11-0530
17	3/8 X 1 NC HEX CAPSCREW	4	11-0532
18	3/8 X 3/4 NC HEX CAPSCREW	12	11-0545
19	3/4 X 2 NC HEX CAPSCREW	4	11-0561
20	7/16 X 1-1/2 NC HEX CAPSCREW	2	11-0585
21	1/4 X 3/4 NC HEX CAPSCREW	5	11-0588
22	5/16 X 3/4 NC HEX CAPSCREW	4	11-0596
23	3/4 X 2-1/4 H.S. NF HEX CAPSCREW	5	11-0658
24	10MM X 20MM X 1.5 NC HEX CAPSCREW	4	11-0721
25	7/16 NC NYLOCK NUT	4	11-1003
26	1/2 NC HEX NUT	8	11-1016
27	1/4 NC NYLOCK NUT	5	11-1022
28	3/8 NC NYLOCK NUT	2	11-1024
29	3/4 H.S. NF STOVER NUT	6	11-1032
30	1-1/4NF SLOTTED HEX NUT, GR 8	2	11-1064
31	1/4 X 2 ROLLPIN	10	11-2005
32	3/8 X 1 NC 4-LOBE KNOB-SCREW	1	11-2029
33	1" EXTERNAL SNAP-RING	8	11-2048
34	3/8 X 2 ROLLPIN	4	11-2050
35	1/2-13 X 3/4 SET SCREW	3	11-2059
36	1/4 GALVANIZED CABLE (SOLD BY THE FT)	19.5	12-0032
37	CABLE CLAMP	4	12-0033
38	5/16" X 6 LINK, GR 30	51	12-0035
39	5/16" X 7 LINK, GR 30	51	12-0036
40	3 X 8 CYLINDER, REPHASING	2	14-0041
41	SHIELD PAD	1	18-0061
42	SPLITTER GEARBOX	1	19-0077
43	CENTER GEARBOX, 1000 RPM	1	19-0080
44	CLAMP, WORM GEAR	3	21-0027
45	3/16 X 7-1/4" FUEL LINE	1	21-0030
46	ELBOW, 1/8 X 90	1	21-1104
47	GREASE ZERK	10	23-0004
48	CYLINDER PIN	4	27-0004
49	HINGE PIN	2	27-0023
50	LIFT PIN	4	27-0026
51	BASE PIN	2	27-0029
52	HITCH PIN	2	27-0030
53	CENTER DRIVELINE	1	29-0050
54	DRIVE LINE, 1000 RPM	1	29-0051
55	INPUT CONNECTION SHIELD	1	29-0052
56	CHAIN BRACKET	1	31-0171
57	SMV BRACKET	1	31-0173
58	BUSHING	4	34-0005
59	CENTER SHIELD	1	41-0731
60	SHIELD BRACKET	1	41-0732
61	SKID SHOE	2	42-0029
62	LIFT ROD	2	49-6026
63	LIFT ROD END	2	49-6027
64	CENTER FRAME	1	49-6041
65	SEAL, 6.5 X 7.5 X 0.5	1	80-1041
66	SEAL, 3.5 X 5.5 X 0.5	1	80-1043
67	WETBAR	2	80-1526
68	60" WETBLADE KNIFE	2	80-1529
69	WETBLADE BOLT	2	80-1532
70	CHEMICAL ACCESS BOLT	1	80-1533
71	DISH	1	80-1548
72	FLEX WING SEAL PROTECTION RING	2	80-1552
73	1/8NPT X 3/16 BARB	3	80-2041
74	ACCESS PORT COVER	1	80-3507
75	SEAL, GEARBOX FEMALE 5.5	1	90-7033
76	SMV SIGN	1	90-8018

FRAME ASSEMBLIES - CENTER FRAME, 15'/10' HYDRAULIC DRIVE, WETBLADE™



FRAME ASSEMBLIES - CENTER FRAME, 15'/10' HYDRAULIC DRIVE, WETBLADE™

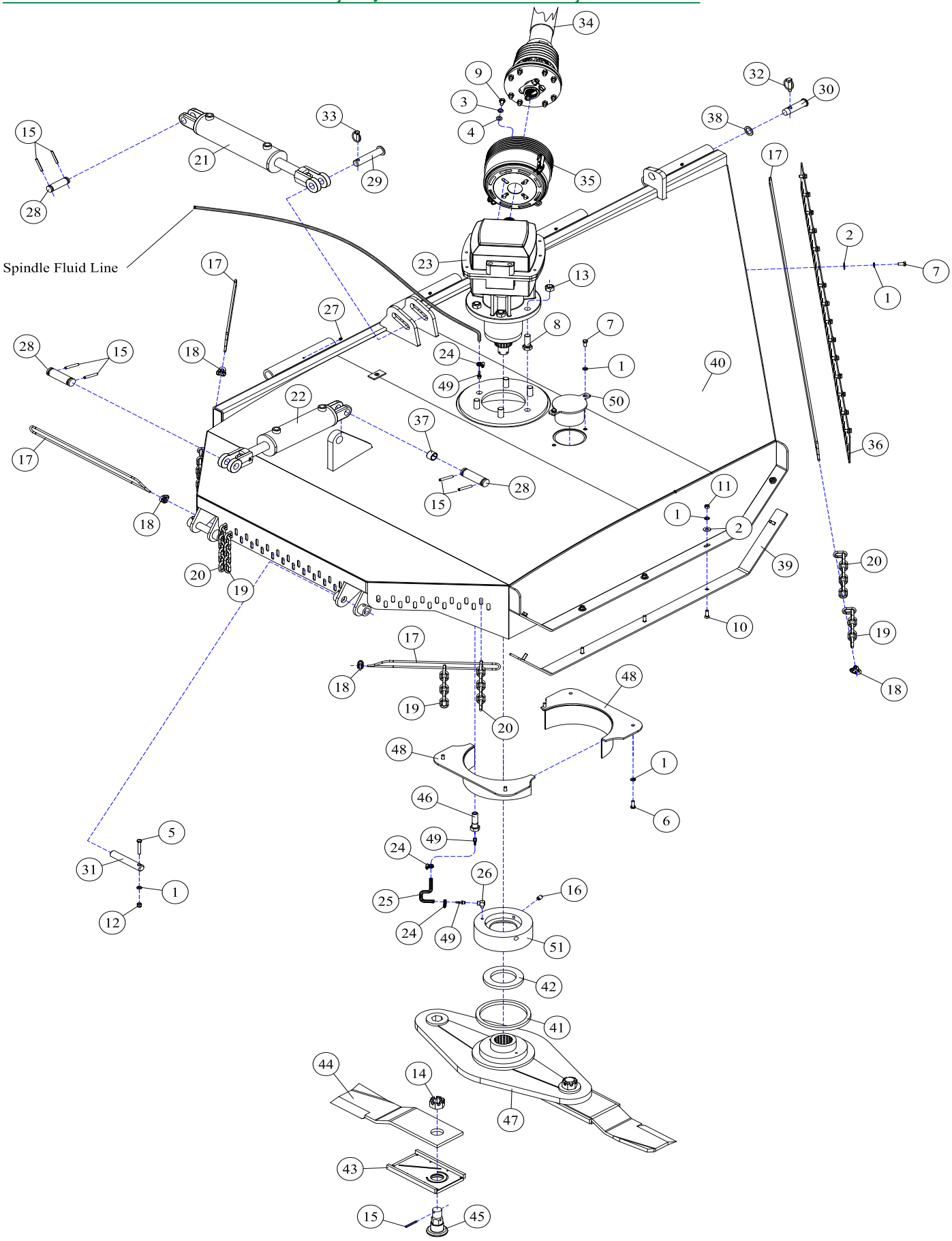


FRAME ASSEMBLIES - CENTER FRAME, 15'/10' HYDRAULIC DRIVE, WETBLADE™

REF#	PARTS DESCRIPTION	REQ	PART #
1	7/16 LOCK WASHER	2	11-0003
2	3/8 LOCK WASHER	30	11-0005
3	3/8 FLAT WASHER	26	11-0009
4	1/2 LOCK WASHER	8	11-0011
5	1/2 FLAT WASHER	8	11-0018
6	1/4 FLAT WASHER	5	11-0023
7	5/8 H.S. LOCK WASHER	12	11-0043
8	1/2 WIDE NORDLOCK LOCK WASHERS	4	11-0942
9	7/16 X 3-1/4 NC HEX CAPSCREW	2	11-0510
10	3/8 X 2-1/4 NC HEX CAPSCREW	2	11-0513
11	1/2 X 1-3/4 NC PLOW BOLT	8	11-0530
12	3/8 X 1 NC HEX CAPSCREW	16	11-0532
13	3/8 X 3/4 NC HEX CAPSCREW	12	11-0545
14	1/4 X 3/4 NC HEX CAPSCREW	5	11-0588
15	1/2 X 1-3/4 H.S. NF FLANGE HEX CAPSCREW	4	11-0941
16	5/8 X 2-1/4 H.S. NF HEX CAPSCREW	6	11-0691
17	5/8 X 4 H.S. NF HEX CAPSCREW	6	11-0908
18	7/16 NC NYLOCK NUT	2	11-1003
19	1/2 NC HEX NUT	8	11-1016
20	1/4 NC NYLOCK NUT	5	11-1022
21	3/8 NC NYLOCK NUT	2	11-1024
22	1-1/4NF SLOTTED HEX NUT, GR 8	2	11-1064
23	5/8 H.S. NF STOVER NUT	6	11-1143
24	1/4 X 2 ROLLPIN	10	11-2005
25	1" EXTERNAL SNAP-RING	8	11-2048
26	3/8 X 2 ROLLPIN	4	11-2050
27	1/4 GALVANIZED CABLE, SOLD/FT	20 ft	12-0032
28	CABLE CLAMP	4	12-0033
29	5/16" X 6 LINK, GR 30	51	12-0035
30	5/16" X 7 LINK, GR 30	51	12-0036

REF#	PARTS DESCRIPTION	REQ	PART #
31	3 X 8 CYLINDER, REPHASING	2	14-0041
32	1/4-28 X1/8NPT-90DEG, ADAPTER	1	21-1530
33	GREASE ZERK	10	23-0004
34	BOLT PROTECTOR	1	24-0004
35	CYLINDER PIN	4	27-0004
36	HINGE PIN	2	27-0023
37	LIFT PIN	4	27-0026
38	BASE PIN	2	27-0029
39	HITCH PIN	2	27-0030
40	MOTOR	1	30-0518
41	CHAIN BRACKET	1	31-0171
42	SMV BRACKET	1	31-0173
43	LEFT SHROUD	1	31-0188
44	RIGHT SHROUD	1	31-0189
45	BUSHING	4	34-0005
46	SKID SHOE	2	42-0029
47	LIFT ROD	2	49-6026
48	LIFT ROD END	2	49-6027
49	CENTER SECTION	1	49-6045
50	WETBLADE SPINDLE INSERT	1	80-1040
51	2.75 X 3.5 X .375 SEAL	2	80-1044
52	60" WETBLADE KNIFE	2	80-1529
53	WETBLADE BOLT	2	80-1532
54	WETBAR	2	80-1543
55	DISH	1	80-1557
56	1/8NPT X 3/16 BARB	1	80-2041
57	SPINDLE	1	80-2542
58	ACCESS PORT COVER	1	80-3507
59	SMV SIGN	1	90-8018
60	LOCKING TAB	2	31-0393

FRAME ASSEMBLIES - RIGHT WING, 15'/10' GEAR BOX DRIVE, WETBLADE™

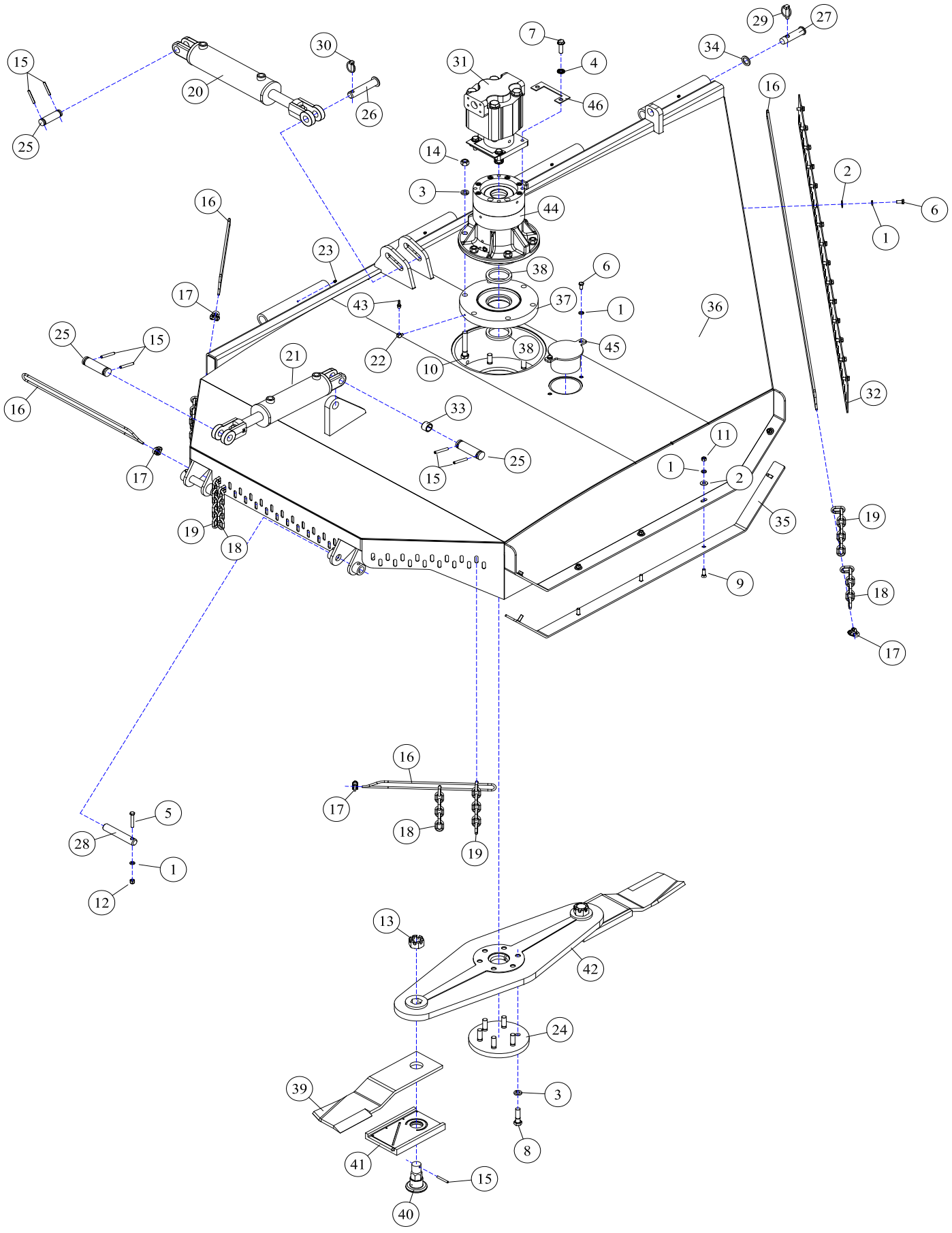


FRAME ASSEMBLIES - RIGHT WING, 15'/10' GEAR BOX DRIVE, WETBLADE™

REF#	PARTS DESCRIPTION	REQ	PART #
1	3/8 LOCK WASHER	28	11-0005
2	3/8 FLAT WASHER	20	11-0009
3	10MM LOCK WASHER GR8.8	4	11-0032
4	10MM FLAT WASHER GR8.8	4	11-0065
5	3/8 X 2-1/4 NC HEX CAPSCREW	2	11-0513
6	3/8 X 1 NC HEX CAPSCREW	4	11-0532
7	3/8 X 3/4 NC HEX CAPSCREW	17	11-0545
8	3/4 X 2-1/4 H.S. NF HEX CAPSCREW	5	11-0658
9	10MM X 20MM X 1.5 HEX CAPSCREW	4	11-0721
10	3/8 X 1-1/4 NC PLOW BOLT	5	11-0804
11	3/8 NC HEX NUT	5	11-1001
12	3/8 NC NYLOCK NUT	2	11-1024
13	3/4 H.S. NC STOVER NUT	6	11-1038
14	1-1/4NF SLOTTED HEX NUT, GR 8	2	11-1064
15	1/4 X 2 ROLL PIN	8	11-2005
16	1/2-13 X 3/4 SET SCREW	3	11-2059
17	1/4 GALVANIZED CABLE (SOLD BY THE FT)	23.75	12-0032
18	CABLE CLAMP	4	12-0033
19	5/16" X 6 LINK, GR 30	65	12-0035
20	5/16" X 7 LINK, GR 30	65	12-0036
21	3 X 10 WELDED CYLINDER	1	14-0001
22	2.8 X 8 CYLINDER	1	14-0040
23	GEAR BOX	1	19-0079
24	CLAMP, WORM GEAR	3	21-0027
25	3/16 X 7-1/4" FUEL LINE	1	21-0030
26	ELBOW, 1/8 X 90	1	21-1104

REF#	PARTS DESCRIPTION	REQ	PART #
27	GREASE ZERK	4	23-0004
28	CYLINDER PIN (SHORT)	3	27-0004
29	CYLINDER PIN (LONG)	1	27-0009
30	HINGE PIN	1	27-0015
31	WING/CASTER PIN	2	27-0029
32	LYNCH PIN (LARGE)	1	27-1005
33	LYNCH PIN (SMALL)	1	27-1028
34	PTO SHAFT	1	29-0049
35	INPUT CONNECTION SHIELD	1	29-0052
36	CHAIN BRACKET	1	31-0170
37	1-1/4 X 1ID X 1 BUSHING	1	34-0005
38	1-1/2 X 1ID X 10GA BUSHING	1	34-0060
39	SKID SHOE	1	42-0028
40	RIGHT WING SECTION	1	49-6042
41	SEAL, 6.5 X 7.5 X 0.5	1	80-1041
42	SEAL, 3.5 X 5.5 X 0.5	1	80-1043
43	WETBAR (REVERSE)	2	80-1527
44	60" WETBLADE KNIFE (REVERSE)	2	80-1528
45	WETBLADE BOLT	2	80-1532
46	CHEMICAL ACCESS BOLT	1	80-1533
47	DISH	1	80-1547
48	FLEX WING SEAL PROTECTION RING	2	80-1552
49	1/8NPT X 3/16 BARB	3	80-2041
50	ACCESS PORT COVER	1	80-3507
51	SEAL, GEARBOX FEMALE 5.5	1	90-7033

FRAME ASSEMBLIES - RIGHT WING, 15'/10' HYDRAULIC DRIVE, WETBLADE™

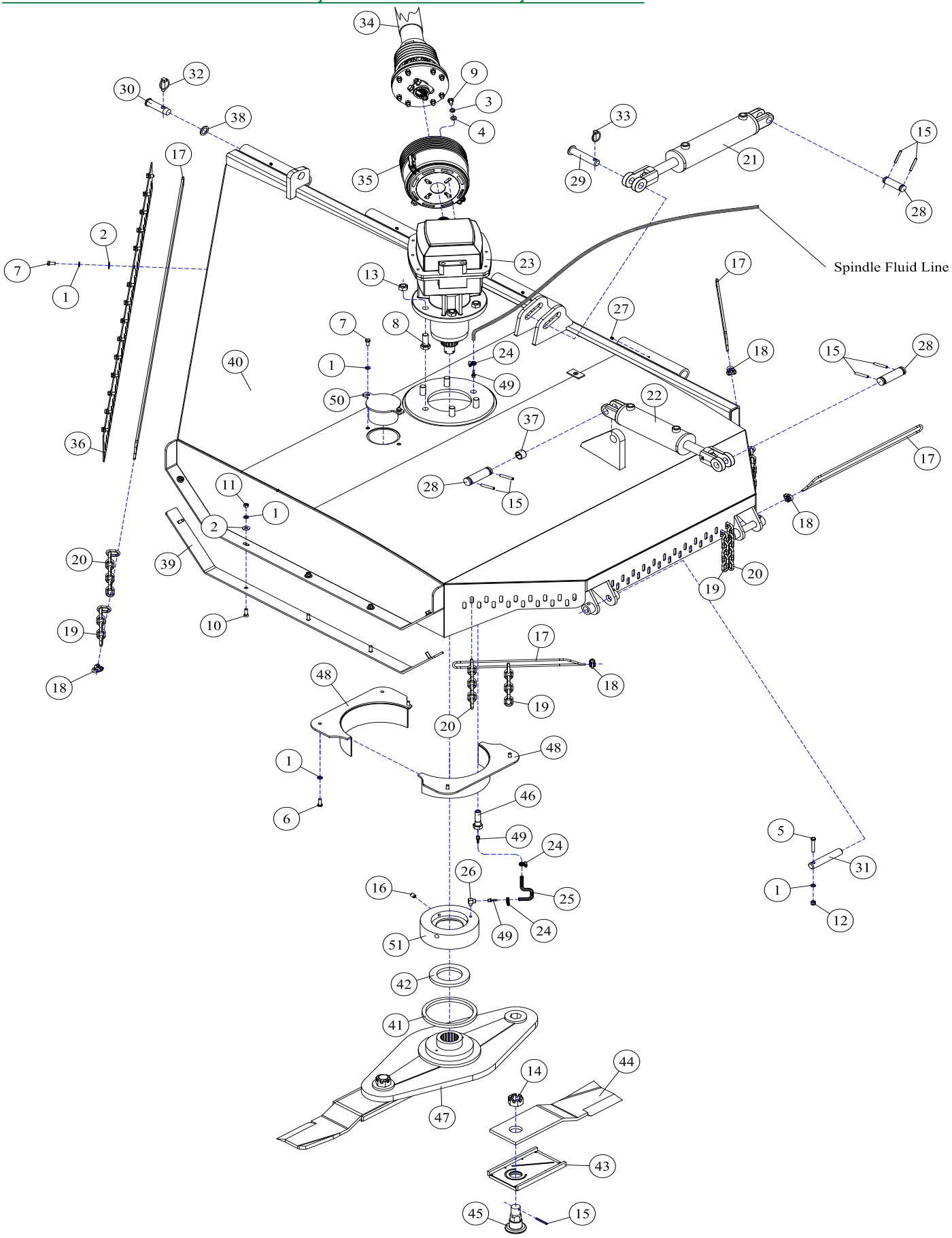


FRAME ASSEMBLIES - RIGHT WING, 15'/10' HYDRAULIC DRIVE, WETBLADE™

REF#	PARTS DESCRIPTION	REQ	PART #
1	3/8 LOCK WASHER	24	11-0005
2	3/8 FLAT WASHER	20	11-0009
3	5/8 H.S. LOCK WASHER	12	11-0043
4	1/2 WIDE NORDLOCK LOCK WASHERS	4	11-0942
5	3/8 X 2-1/4 NC HEX CAPSCREW	2	11-0513
6	3/8 X 3/4 NC HEX CAPSCREW	17	11-0545
7	1/2 X 1-3/4 H.S. NF FLANGE HEX CAP GR8	4	11-0941
8	5/8 X 2-1/4 H.S. NF HEX CAPSCREW	6	11-0691
9	3/8 X 1-1/4 NC PLOW BOLT	5	11-0804
10	5/8 X 4 H.S. NF HEX CAPSCREW	6	11-0908
11	3/8 NC HEX NUT	5	11-1001
12	3/8 NC NYLOCK NUT	2	11-1024
13	1-1/4NF SLOTTED HEX NUT, GR 8	2	11-1064
14	5/8 H.S. NF STOVER NUT	6	11-1143
15	1/4 X 2 ROLL PIN	8	11-2005
16	1/4 GALVANIZED CABLE, SOLD/FT	24 ft	12-0032
17	CABLE CLAMP	4	12-0033
18	5/16" X 6 LINK, GR 30	65	12-0035
19	5/16" X 7 LINK, GR 30	65	12-0036
20	3 X 10 CYLINDER	1	14-0001
21	2.8 X 8 CYLINDER	1	14-0040
22	1/4-28 X1/8NPT-90DEG, ADAPTER	1	21-1530
23	GREASE ZERK	4	23-0004

REF#	PARTS DESCRIPTION	REQ	PART #
24	BOLT PROTECTOR	1	24-0004
25	CYLINDER PIN	3	27-0004
26	CYLINDER PIN	1	27-0009
27	HINGE PIN	1	27-0015
28	WING/CASTER PIN	2	27-0029
29	LYNCH PIN (LARGE)	1	27-1005
30	LYNCH PIN (SMALL)	1	27-1028
31	MOTOR	1	30-0524
32	CHAIN BRACKET	1	31-0170
33	1-1/4 X 1ID X 1 BUSHING	1	34-0005
34	1-1/2 X 1ID X 10GA BUSHING	1	34-0060
35	SKID SHOE	1	42-0028
36	RIGHT WING SECTION	1	49-6046
37	WETBLADE SPINDLE INSERT	1	80-1040
38	2.75 X 3.5 X .375 SEAL	2	80-1044
39	60" WETBLADE KNIFE (REVERSE)	2	80-1528
40	WETBLADE BOLT	2	80-1532
41	WETBAR (REVERSE)	2	80-1544
42	DISH	1	80-1556
43	1/8NPT X 3/16 BARB	1	80-2041
44	SPINDLE	1	80-2542
45	ACCESS PORT COVER	1	80-3507
46	LOCKING TAB	2	31-0393

FRAME ASSEMBLIES - LEFT WING, 15' GEAR BOX DRIVE, WETBLADE™

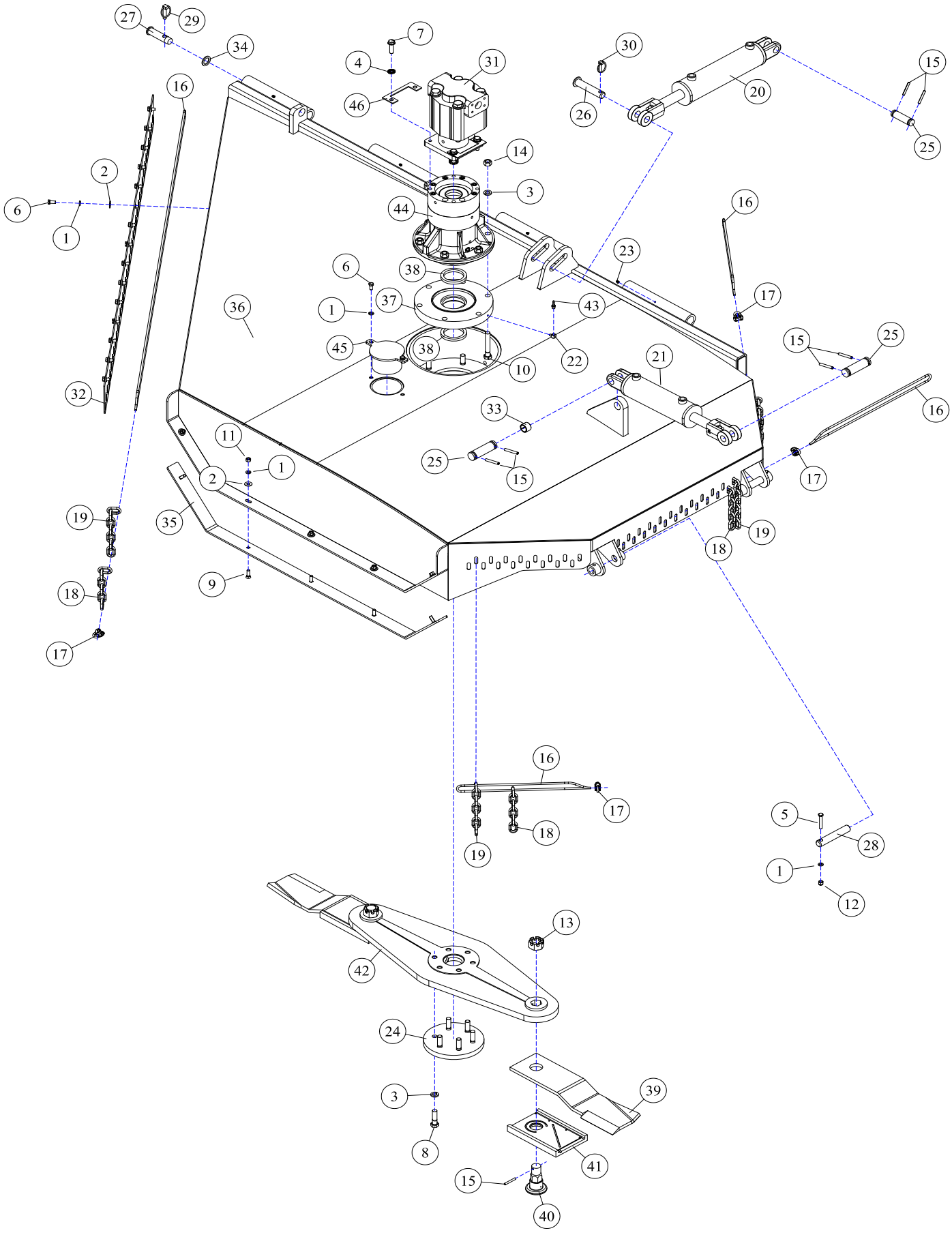


FRAME ASSEMBLIES - LEFT WING, 15' GEAR BOX DRIVE, WETBLADE™

REF#	PARTS DESCRIPTION	REQ	PART #
1	3/8 LOCK WASHER	28	11-0005
2	3/8 FLAT WASHER	20	11-0009
3	10MM LOCK WASHER GR8.8	4	11-0032
4	10MM FLAT WASHER GR8.8	4	11-0065
5	3/8 X 2-1/4 NC HEX CAPSCREW	2	11-0513
6	3/8 X 1 NC HEX CAPSCREW	4	11-0532
7	3/8 X 3/4 NC HEX CAPSCREW	17	11-0545
8	3/4 X 2-1/4 H.S. NF HEX CAPSCREW	5	11-0658
9	10MM X 20MM X 1.5 HEX CAPSCREW	4	11-0721
10	3/8 X 1-1/4 NC PLOW BOLT	5	11-0804
11	3/8 NC HEX NUT	5	11-1001
12	3/8 NC NYLOCK NUT	2	11-1024
13	3/4 H.S. NC STOVER NUT	6	11-1038
14	1-1/4NF SLOTTED HEX NUT, GR 8	2	11-1064
15	1/4 X 2 ROLL PIN	8	11-2005
16	1/2-13 X 3/4 SET SCREW	3	11-2059
17	1/4 GALVANIZED CABLE (SOLD BY THE FT)	23.75	12-0032
18	CABLE CLAMP	4	12-0033
19	5/16" X 6 LINK, GR 30	65	12-0035
20	5/16" X 7 LINK, GR 30	65	12-0036
21	3 X 10 WELDED CYLINDER	1	14-0001
22	2.8 X 8 CYLINDER	1	14-0040
23	GEAR BOX	1	19-0078
24	CLAMP, WORM GEAR	3	21-0027
25	3/16 X 7-1/4" FUEL LINE	1	21-0030
26	ELBOW, 1/8 X 90	1	21-1104

REF#	PARTS DESCRIPTION	REQ	PART #
27	GREASE ZERK	4	23-0004
28	CYLINDER PIN (SHORT)	3	27-0004
29	CYLINDER PIN (LONG)	1	27-0009
30	HINGE PIN	1	27-0015
31	WING/CASTER PIN	2	27-0029
32	LYNCH PIN (LARGE)	1	27-1005
33	LYNCH PIN (SMALL)	1	27-1028
34	PTO SHAFT	1	29-0049
35	INPUT CONNECTION SHIELD	1	29-0052
36	CHAIN BRACKET	1	31-0170
37	1-1/4 X 1ID X 1 BUSHING	1	34-0005
38	1-1/2 X 1ID X 10GA BUSHING	1	34-0060
39	SKID SHOE	1	42-0028
40	LEFT WING SECTION	1	49-6043
41	SEAL, 6.5 X 7.5 X 0.5	1	80-1041
42	SEAL, 3.5 X 5.5 X 0.5	1	80-1043
43	WETBAR	2	80-1526
44	60" WETBLADE KNIFE	2	80-1529
45	WETBLADE BOLT	2	80-1532
46	CHEMICAL ACCESS BOLT	1	80-1533
47	DISH	1	80-1547
48	FLEX WING SEAL PROTECTION RING	2	80-1552
49	1/8NPT X 3/16 BARB	3	80-2041
50	ACCESS PORT COVER	1	80-3507
51	SEAL, GEARBOX FEMALE 5.5	1	90-7033

FRAME ASSEMBLIES - LEFT WING, 15' HYDRAULIC DRIVE, WETBLADE™

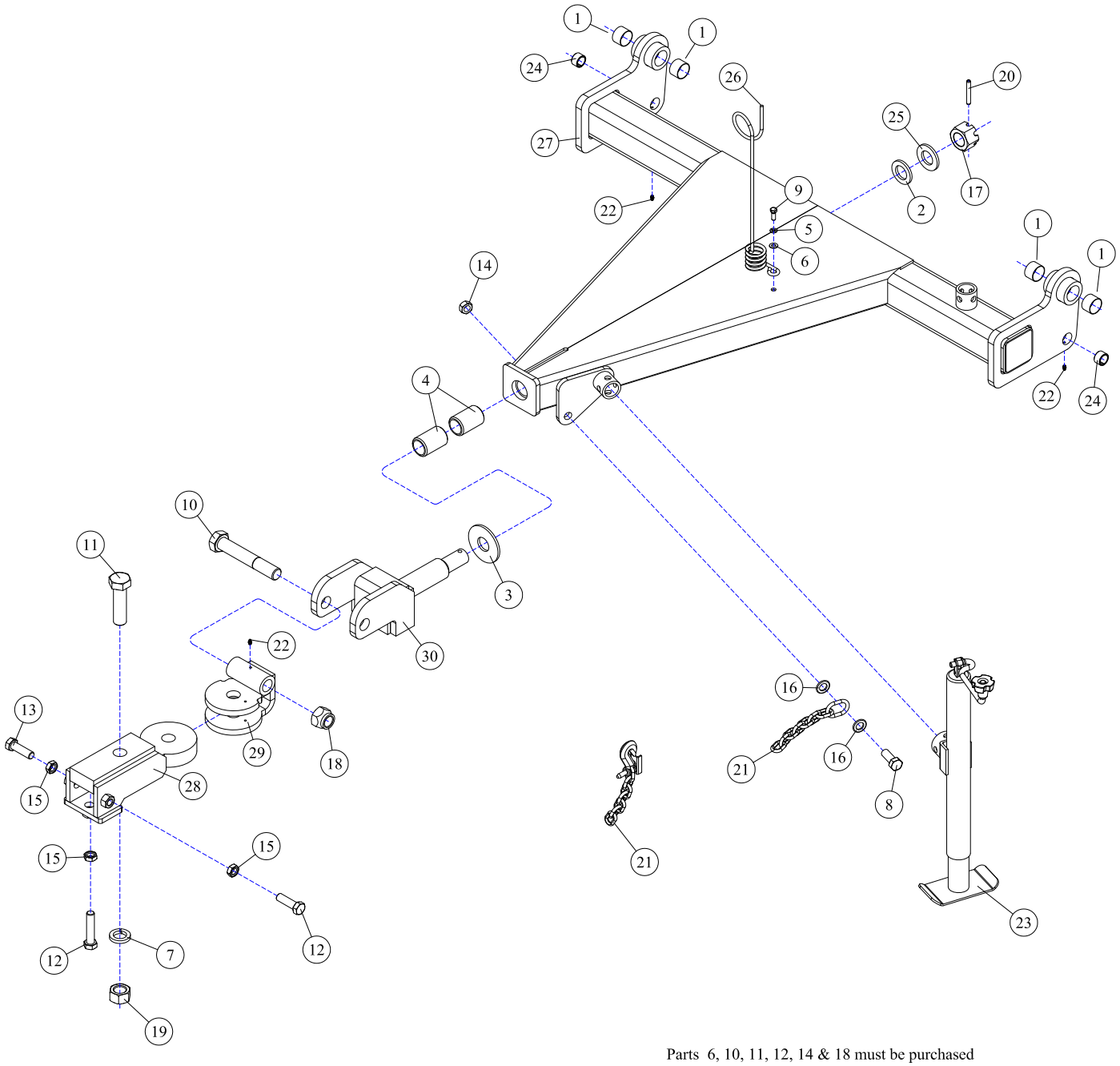


FRAME ASSEMBLIES - LEFT WING, 15' HYDRAULIC DRIVE, WETBLADE™

REF#	PARTS DESCRIPTION	REQ	PART #
1	3/8 LOCK WASHER	24	11-0005
2	3/8 FLAT WASHER	20	11-0009
3	5/8 H.S. LOCK WASHER	12	11-0043
4	1/2 WIDE NORDLOCK LOCK WASHERS	4	11-0942
5	3/8 X 2-1/4 NC HEX CAPSCREW	2	11-0513
6	3/8 X 3/4 NC HEX CAPSCREW	17	11-0545
7	1/2 X 1-3/4 H.S. NF FLANGE HEX CAP GR8	4	11-0941
8	5/8 X 2-1/4 H.S. NF HEX CAPSCREW	6	11-0691
9	3/8 X 1-1/4 NC PLOW BOLT	5	11-0804
10	5/8 X 4 H.S. NF HEX CAPSCREW	6	11-0908
11	3/8 NC HEX NUT	5	11-1001
12	3/8 NC NYLOCK NUT	2	11-1024
13	1-1/4NF SLOTTED HEX NUT, GR 8	2	11-1064
14	5/8 H.S. NF STOVER NUT	6	11-1143
15	1/4 X 2 ROLL PIN	8	11-2005
16	1/4 GALVANIZED CABLE, SOLD/FT	24 ft	12-0032
17	CABLE CLAMP	4	12-0033
18	5/16" X 6 LINK, GR 30	65	12-0035
19	5/16" X 7 LINK, GR 30	65	12-0036
20	3 X 10 CYLINDER	1	14-0001
21	2.8 X 8 CYLINDER	1	14-0040
22	1/4-28 X1/8NPT-90DEG, ADAPTER	1	21-1530
23	GREASE ZERK	4	23-0004

REF#	PARTS DESCRIPTION	REQ	PART #
24	BOLT PROTECTOR	1	24-0004
25	CYLINDER PIN	3	27-0004
26	CYLINDER PIN	1	27-0009
27	HINGE PIN	1	27-0015
28	WING/CASTER PIN	2	27-0029
29	LYNCH PIN (LARGE)	1	27-1005
30	LYNCH PIN (SMALL)	1	27-1028
31	MOTOR	1	30-0524
32	CHAIN BRACKET	1	31-0170
33	1-1/4 X 1ID X 1 BUSHING	1	34-0005
34	1-1/2 X 1ID X 10GA BUSHING	1	34-0060
35	SKID SHOE	1	42-0028
36	LEFT WING SECTION	1	49-6047
37	WETBLADE SPINDLE INSERT	1	80-1040
38	2.75 X 3.5 X .375 SEAL	2	80-1044
39	60" WETBLADE KNIFE	2	80-1529
40	WETBLADE BOLT	2	80-1532
41	WETBAR	2	80-1543
42	DISH	1	80-1556
43	1/8NPT X 3/16 BARB	1	80-2041
44	SPINDLE	1	80-2542
45	ACCESS PORT COVER	1	80-3507
46	LOCKING TAB	2	31-0393

FRAME ASSEMBLIES - HITCH ASSEMBLY, 15'/10' FLEXWINGS



Parts 6, 10, 11, 12, 14 & 18 must be purchased together using kit 11-3017.

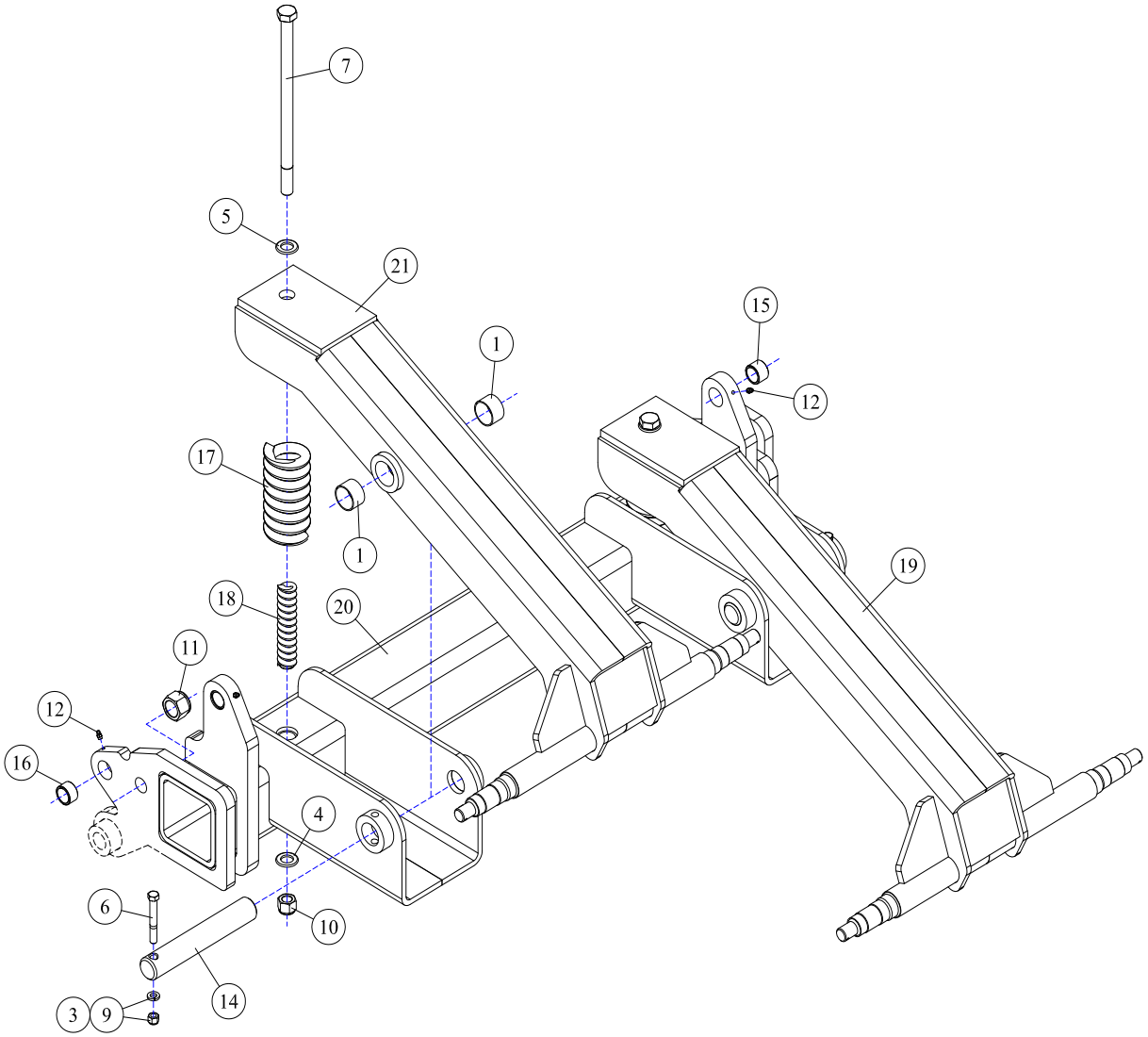
REF#	PARTS DESCRIPTION	REQ	PART #
1	GREASELESS BUSHING BEARING	4	10-0064
2	NYLON BUSHING	1	10-0045
3	NYLATRON BEARING	1	10-0051
4	GREASELESS BUSHING BEARING	2	10-0074
5	3/8 LOCK WASHER	1	11-0005
6	3/8 FLAT WASHER	1	11-0009
7	1-1/4 LOCK WASHER	1	11-0073
8	3/4 X 2 H.S. NF HEX CAPSCREW	1	11-0507
9	3/8 X 1 NC HEX CAPSCREW	1	11-0532
10	1-1/4 X 7-1/2 H.S. NC HEX CAPSCREW	1	11-0794
11	1-1/4 X 4-1/2 H.S. NC HEX CAPSCREW	1	11-0860
12	3/4 X 3-1/2 H.S. NC HEX CAPSCREW	1	11-0861
13	3/4 X 2-1/2 H.S. NC HEX CAPSCREW	2	11-0862
14	3/4 H.S. NF STOVER NUT	1	11-1032
15	3/4 NC JAM NUT	3	11-1034

REF#	PARTS DESCRIPTION	REQ	PART #
16	3/4 H.S. SAE FLAT WASHER	2	11-1039
17	1-1/2 UNF HEX SLOTTED NUT	1	11-1052
18	1-1/4 NC TOP LOCK NUT	1	11-1056
19	1-1/4 HEX HEX NUT	1	11-1066
20	3/16 X 3 COTTER PIN	1	27-1030
21	SAFETY CHAIN	1	12-0053
22	GREASE ZERK	3	23-0004
23	JACK	1	24-0119
24	BUSHING, 1-1/4 OD X 1 ID X 3/4	2	34-0119
25	HITCH SPACER RING	1	34-0122
26	SPRING HOSE LOOP	1	36-0006
27	LIFT HITCH	1	49-6017
28	HITCH ADAPTER	1	41-1010
29	HITCH BRACKET	1	41-1009
30	HITCH PIVOT	1	49-6050

CASTER ASSEMBLIES

Diamond MOWERS™

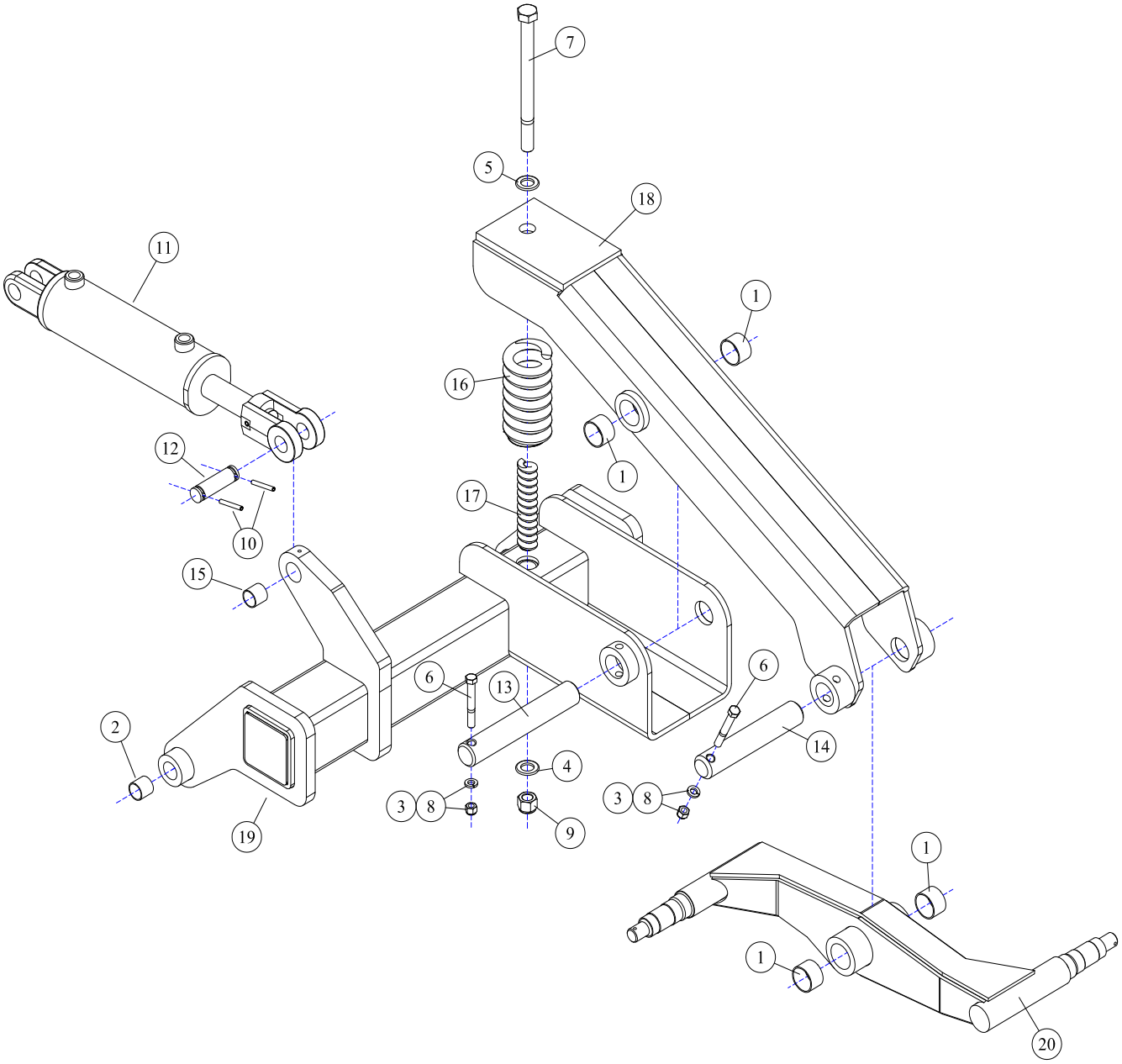
CASTER ASSEMBLIES - CENTER ASSEMBLY, 15'/10' GEAR BOX/HYDRAULIC DRIVE



REF#	PARTS DESCRIPTION	REQ	PART #
1	GREASELESS BUSHING, 1-1/2"	4	10-0064
2	GREASELESS BUSHING, 1-1/8"	4	10-0065
3	7/16 LOCK WASHER	4	11-0003
4	3/4 FLAT WASHER	2	11-0010
5	3/4 H.S. SAE FLAT WASHER	2	11-0039
6	7/16 X 3-1/4 NC HEX CAPSCREW	4	11-0510
7	3/4 X 13 NC H.S. HEX CAPSCREW	2	11-0630
8	1 X 6-1/2 NC HEX CAPSCREW	2	11-0850
9	7/16 NC NYLOCK NUT	4	11-1003
10	3/4 NC NYLOCK NUT	2	11-1006
11	1 NC NYLOCK NUT	2	11-1063

REF#	PARTS DESCRIPTION	REQ	PART #
12	GREASE ZERK	4	23-0004
13	AXLE PIN	2	27-0024
14	CASTER PIN	2	27-0027
15	HARDENED BUSHING, 1"	2	34-0005
16	HARDENED BUSHING, 3/4"	2	34-0119
17	COIL SPRING, LARGE	2	36-0004
18	COIL SPRING, SMALL	2	36-0005
19	RIGHT CENTER CASTER	1	49-6056
20	CENTER CASTER	1	49-6057
21	LEFT CENTER CASTER	1	49-6058

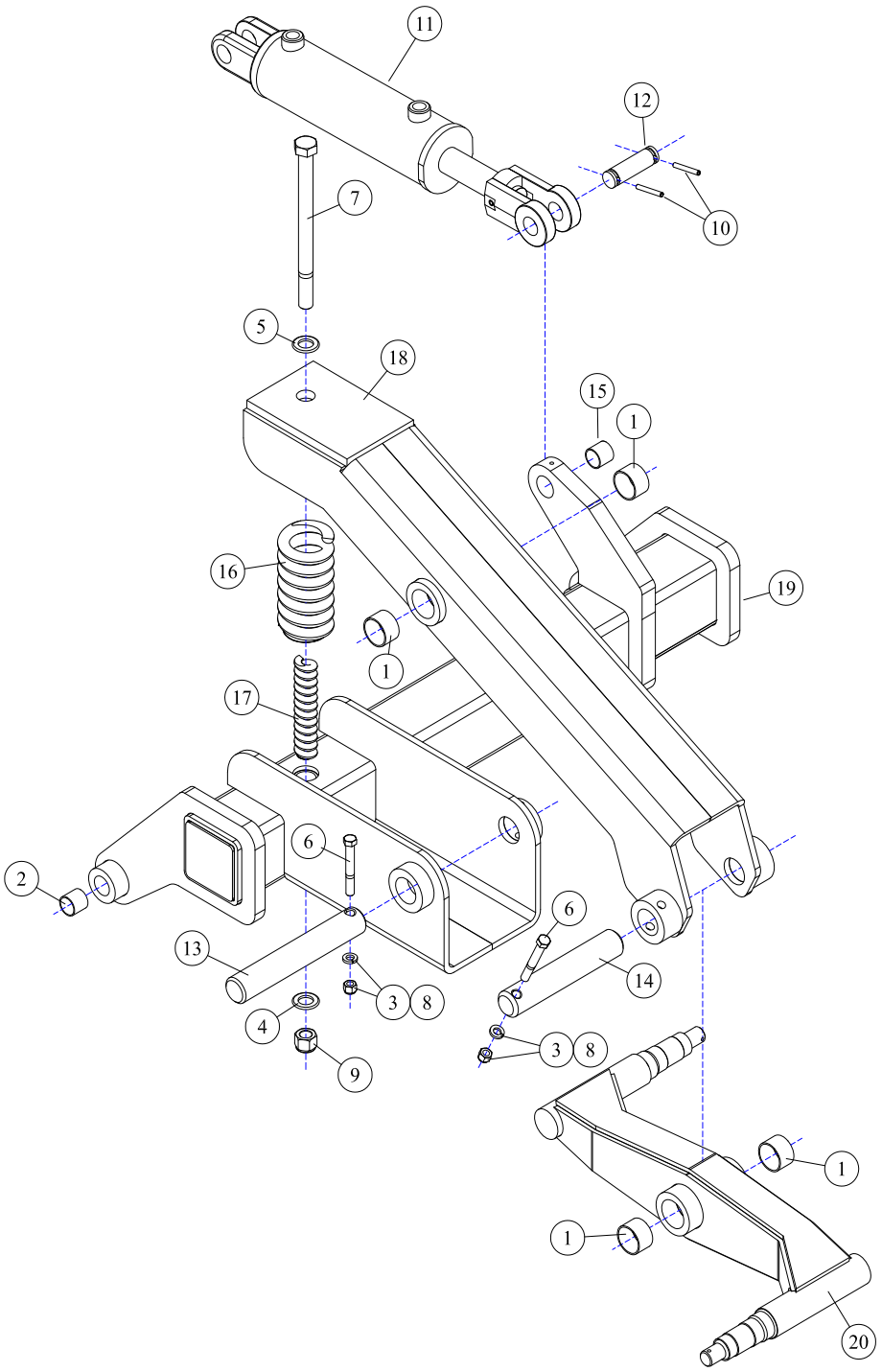
CASTER ASSEMBLIES - RIGHT ASSEMBLY, 15'/10' GEAR BOX/HYDRAULIC DRIVE



REF#	PARTS DESCRIPTION	REQ	PART #
1	GREASELESS BUSHING, 1-1/2"	4	10-0064
2	GREASELESS BUSHING, 1-1/8"	4	10-0065
3	7/16 LOCK WASHER	2	11-0003
4	3/4 FLAT WASHER	1	11-0010
5	3/4 H.S. SAE FLAT WASHER	1	11-0039
6	7/16 X 3-1/4 NC HEX CAPSCREW	2	11-0510
7	3/4 X 12 NC H.S. HEX CAPSCREW	1	11-0817
8	7/16 NC NYLOCK NUT	2	11-1003
9	3/4 NC NYLOCK NUT	1	11-1006
10	1/4 X 2 ROLL PIN	2	11-2005
11	2.8 X 8 CYLINDER	1	14-0040

REF#	PARTS DESCRIPTION	REQ	PART #
12	CLEVIS PIN	1	27-0004
13	CASTER LEG PIN	1	27-0024
14	CASTER PIN	1	27-0027
15	BUSHING 1-1/4 X 1 X 1	1	34-0005
16	COIL SPRING, LARGE	1	36-0004
17	COIL SPRING, SMALL	1	36-0005
18	CASTER LEG	1	49-6022
19	CASTER BRACKET	1	49-6054
20	**STRUT/AXLE**		
	STANDARD	1	49-6021
	EXTENDED (AIRPLANE TIRES)	1	49-6059

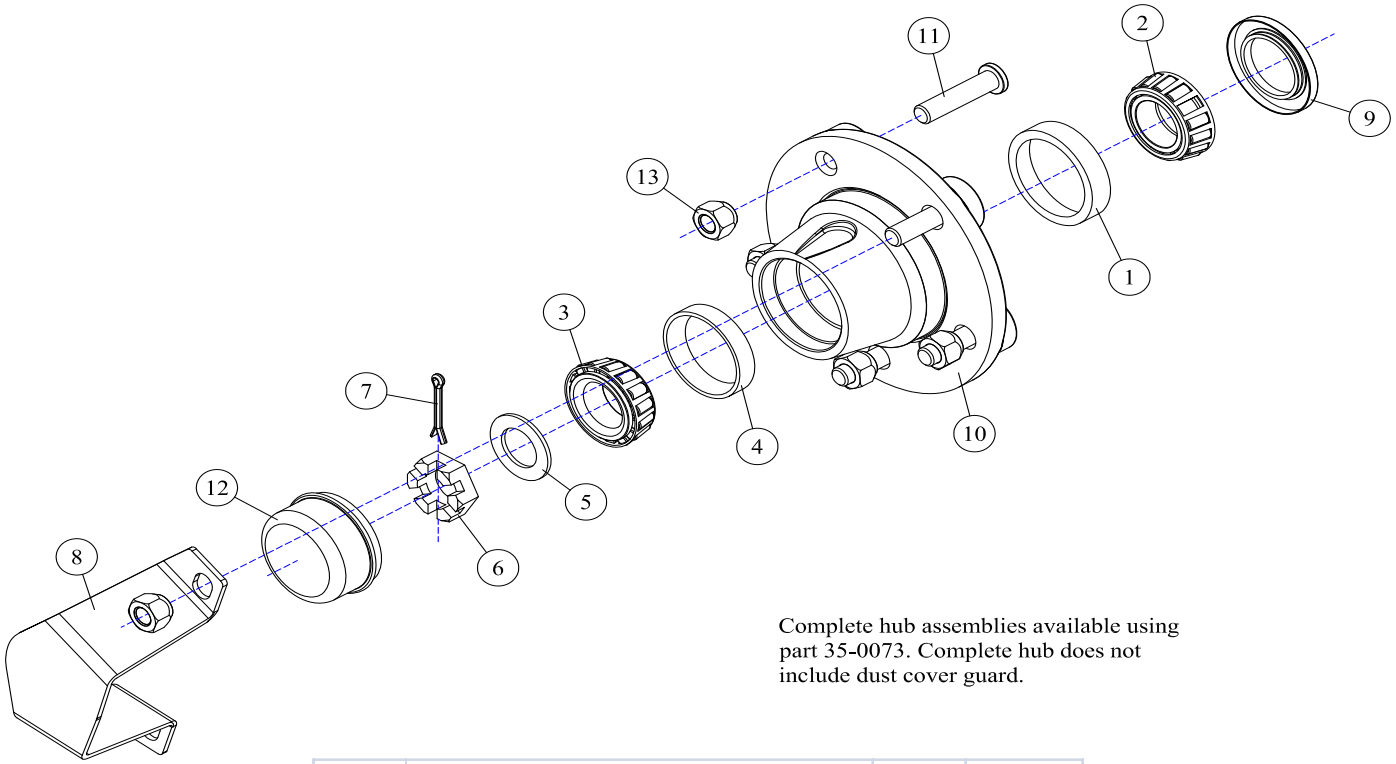
CASTER ASSEMBLIES - LEFT ASSEMBLY, 15'/10' GEAR BOX/HYDRAULIC DRIVE



REF#	PARTS DESCRIPTION	REQ	PART #
1	GREASELESS BUSHING, 1-1/2"	4	10-0064
2	GREASELESS BUSHING, 1-1/8"	4	10-0065
3	7/16 LOCK WASHER	2	11-0003
4	3/4 FLAT WASHER	1	11-0010
5	3/4 H.S. SAE FLAT WASHER	1	11-0039
6	7/16 X 3-1/4 NC HEX CAPSCREW	2	11-0510
7	3/4 X 12 NC H.S. HEX CAPSCREW	1	11-0817
8	7/16 NC NYLOCK NUT	2	11-1003
9	3/4 NC NYLOCK NUT	1	11-1006
10	1/4 X 2 ROLL PIN	2	11-2005
11	2.8 X 8 CYLINDER	1	14-0040

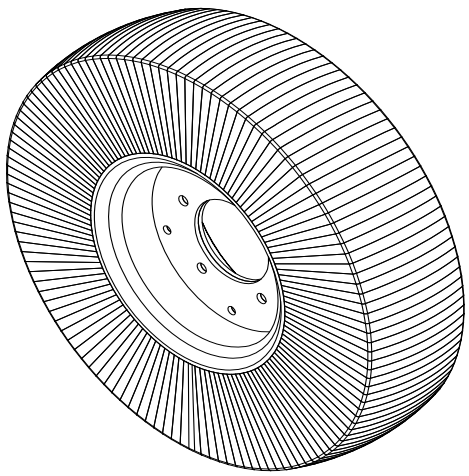
REF#	PARTS DESCRIPTION	REQ	PART #
12	CLEVIS PIN	1	27-0004
13	CASTER LEG PIN	1	27-0024
14	CASTER PIN	1	27-0027
15	BUSHING 1-1/4 X 1 X 1	1	34-0005
16	COIL SPRING, LARGE	1	36-0004
17	COIL SPRING, SMALL	1	36-0005
18	CASTER LEG	1	49-6022
19	CASTER BRACKET	1	49-6055
20	**STRUT/AXLE**		
	STANDARD	1	49-6021
	EXTENDED (AIRPLANE TIRES)	1	49-6059

CASTER ASSEMBLIES - HUB/WHEEL ASSEMBLY

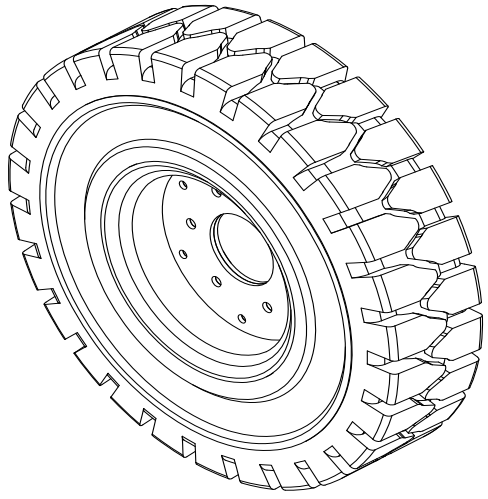


Complete hub assemblies available using part 35-0073. Complete hub does not include dust cover guard.

REF#	PARTS DESCRIPTION	REQ	PART #
1	1-3/8 BEARING CUP	1	10-0026
2	1-3/8 BEARING CONE	1	10-0027
3	1-1/4 BEARING CONE	1	10-0066
4	1-1/4 BEARING CUP	1	10-0067
5	7/8 SAE FLAT WASHER	1	11-0070
6	7/8-14 NF SLOTTED HEX NUT	1	11-1065
7	3/16 X 1-3/4 COTTER PIN	1	27-1029
8	DUST COVER GUARD	1	31-0182
9	SEAL, 1.50 X 2.623 X .250	1	33-0059
10	HUB	1	35-0067
11	STUD, PRESS-IN	5	35-0068
12	DUST CAP	1	35-0070
13	LUG NUT	5	35-0071



38-0007 Laminate Tire
(Obsolete part replaced with 38-0006)

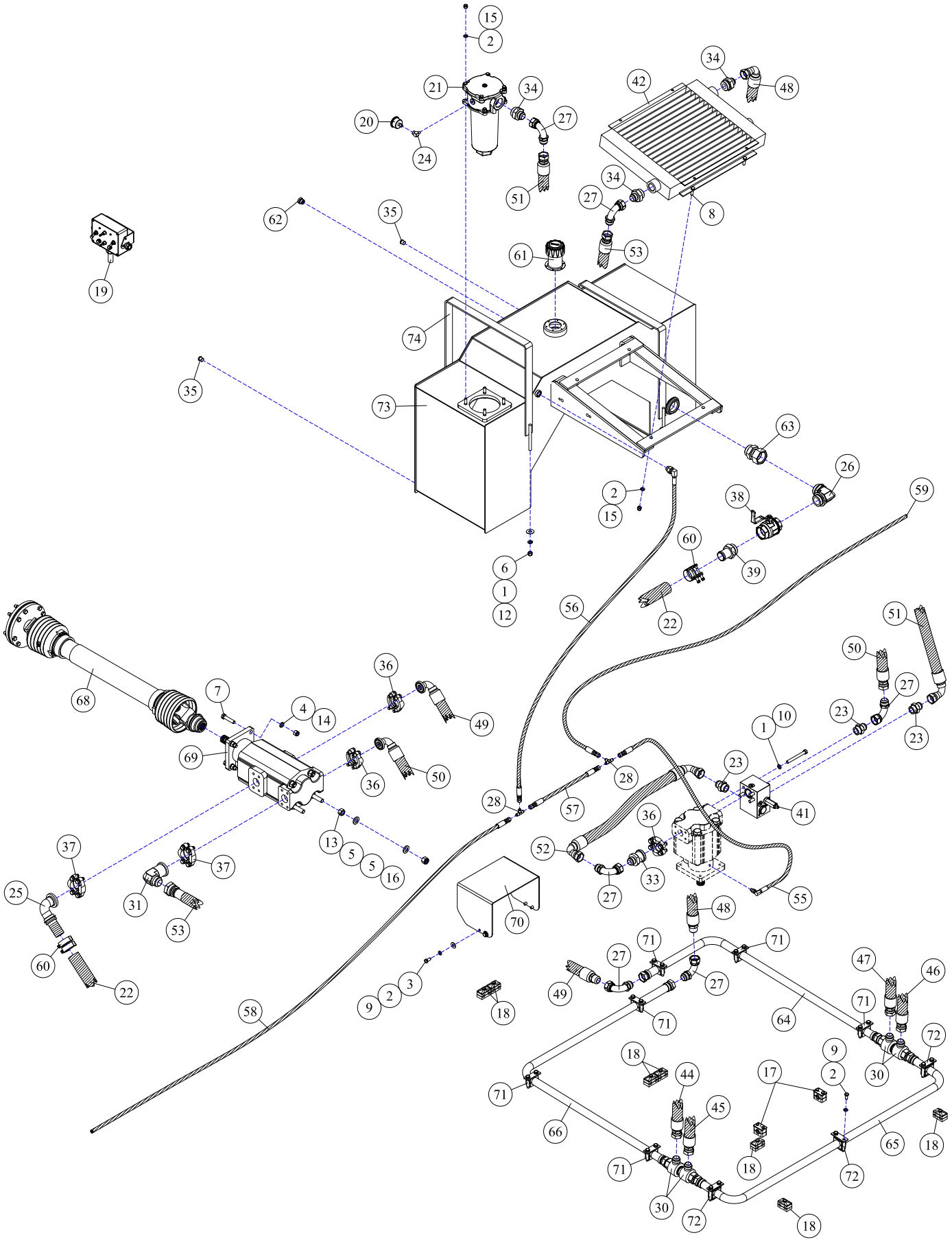


38-0006 Rubber Tire

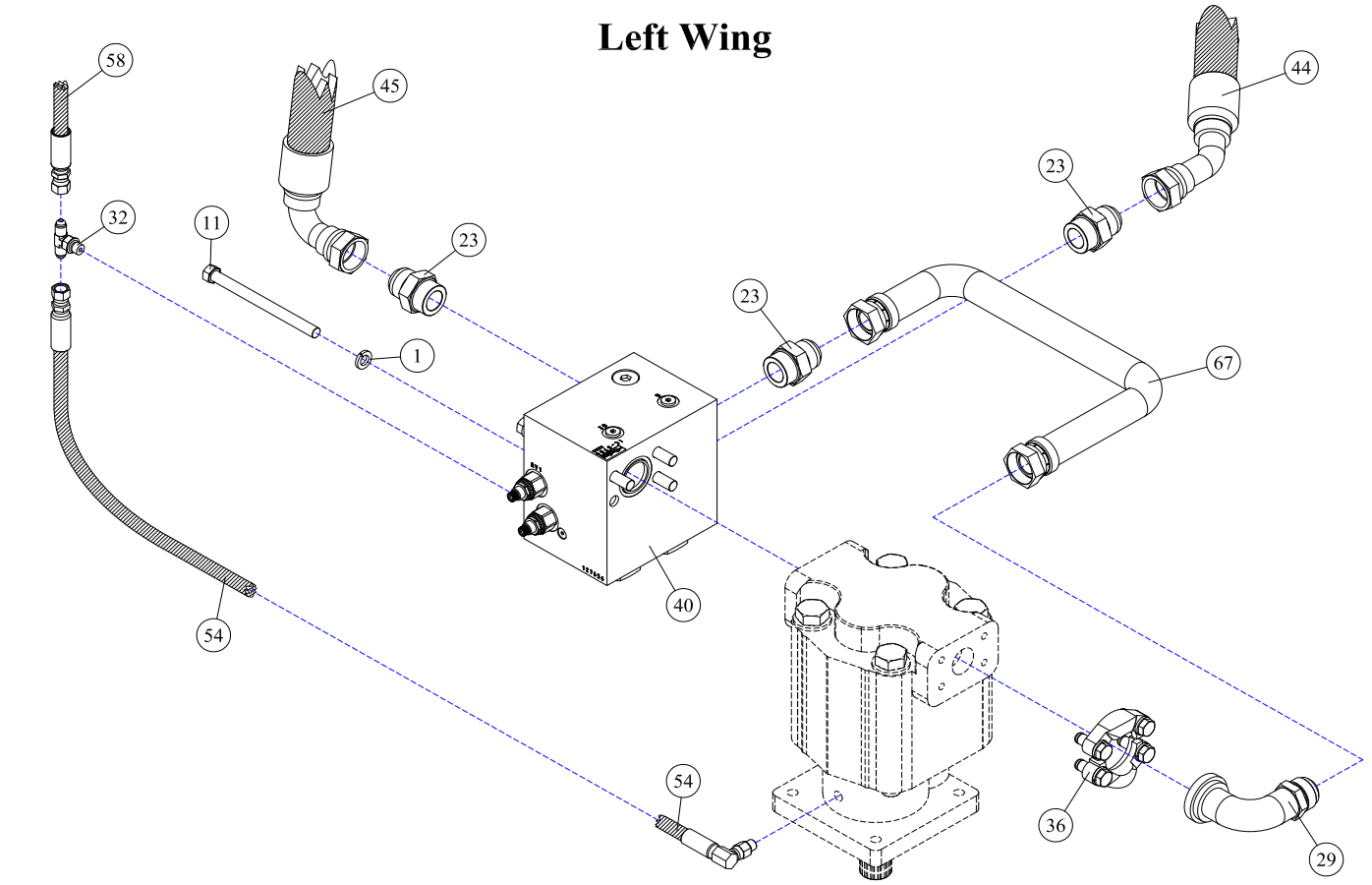
HYDRAULIC ASSEMBLIES

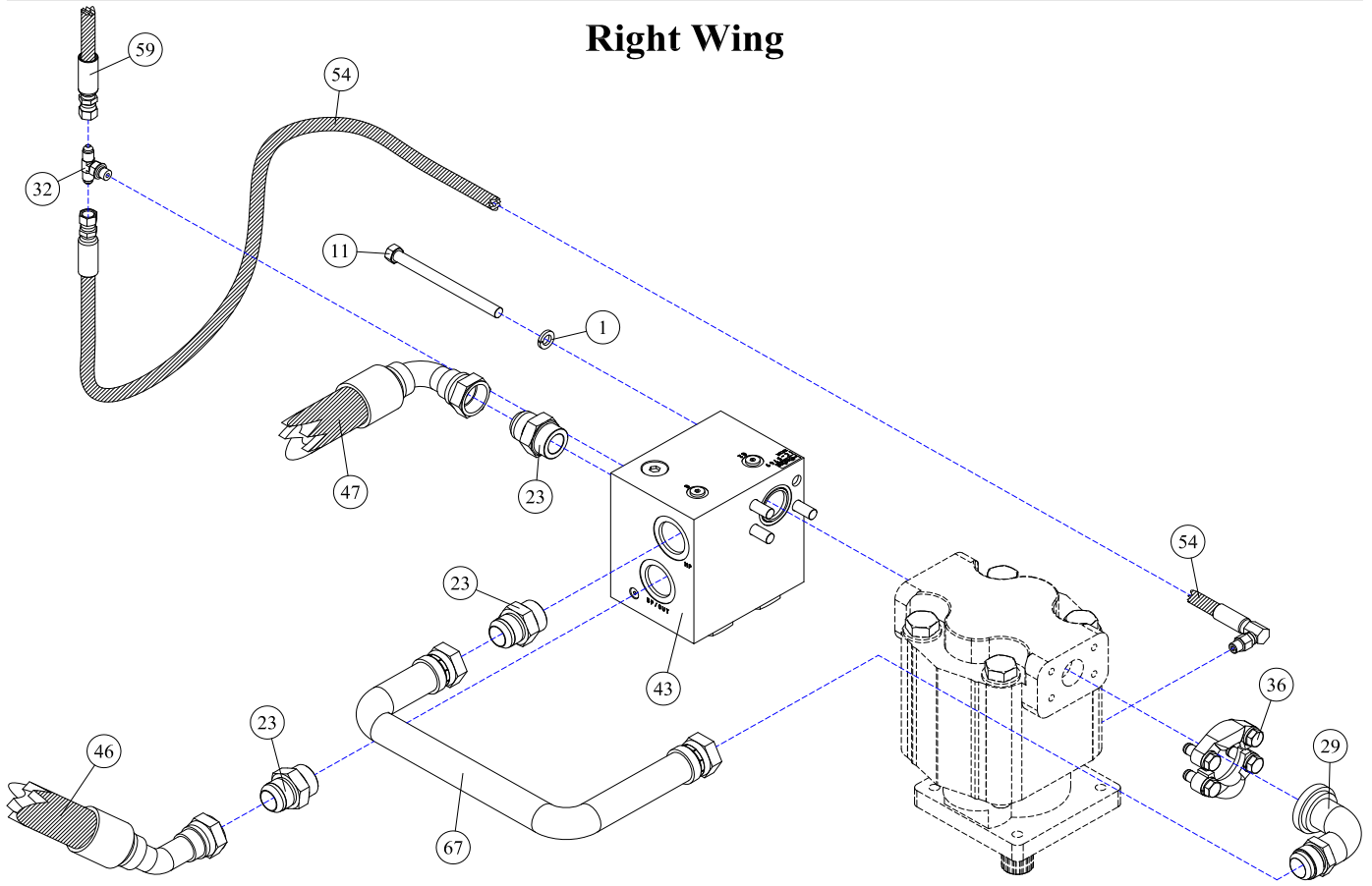
Diamond MOWERS™

HYDRAULIC SYSTEMS - HYDRAULIC ASSEMBLY, 15' HYDRAULIC DRIVE



HYDRAULIC SYSTEMS - HYDRAULIC ASSEMBLY, 15' HYDRAULIC FLEXWING



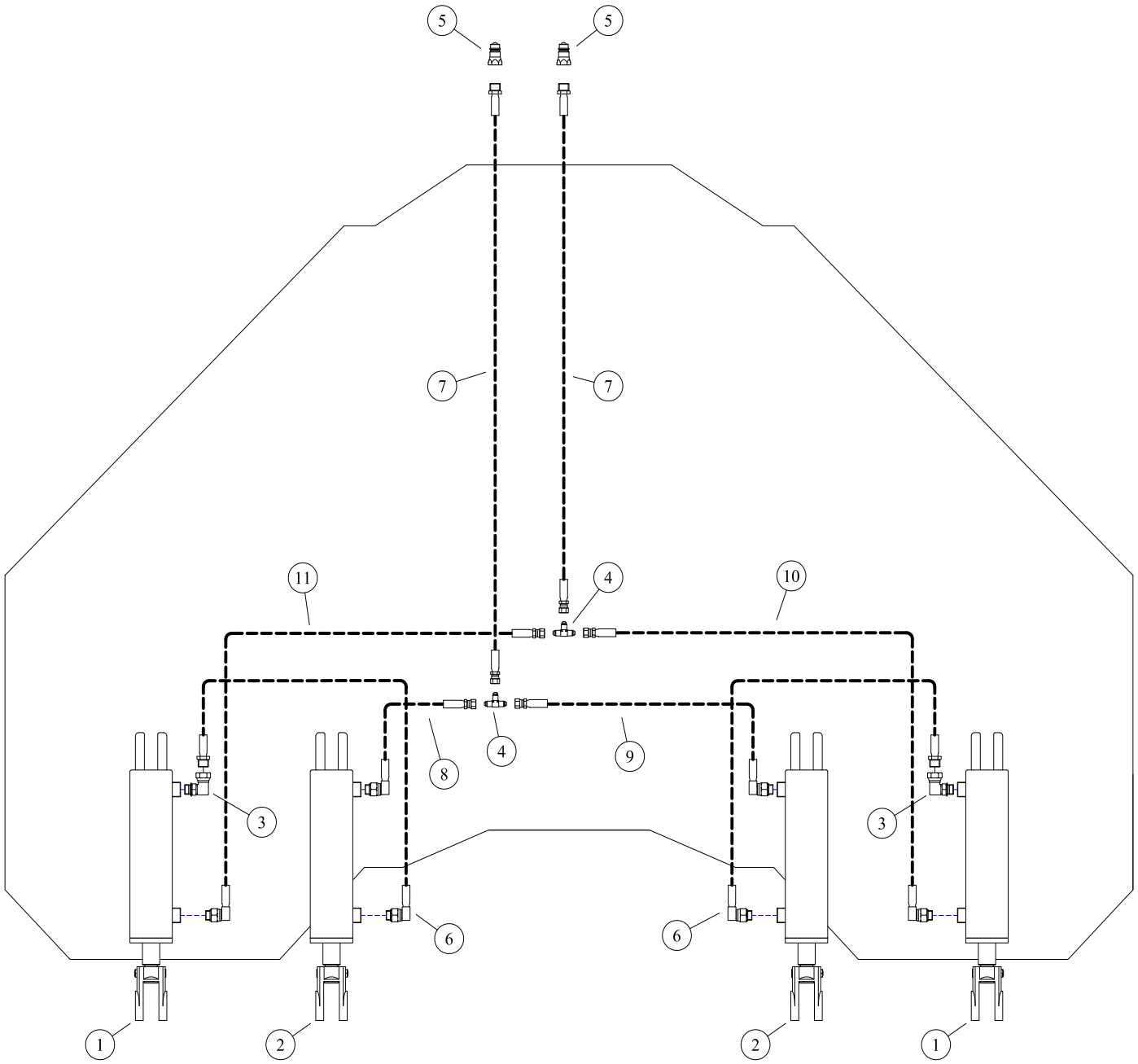


HYDRAULIC SYSTEMS - HYDRAULIC ASSEMBLY, 15' HYDRAULIC FLEXWING

REF#	PARTS DESCRIPTION	REQ	PART #
1	7/16 LOCK WASHER GR 5	16	11-0003
2	3/8 LOCK WASHER GR 5	30	11-0005
3	3/8 FLAT WASHER GR 5	4	11-0009
4	1/2 LOCK WASHER GR 5	4	11-0011
5	5/8 HS SAE FLAT WASHER	4	11-0012
6	7/16 FLAT WASHER GR 5	4	11-0024
7	1/2 X 2-1/4 NC HEX CAPSCREW	4	11-0531
8	3/8 X 1-1/4 NC HEX CAPSCREW	4	11-0533
9	3/8 X 3/4 NC HEX CAPSCREW	22	11-0545
10	7/16 X 4 NC HEX CAPSCREW	4	11-0566
11	7/16 X 5-1/2 NC HEX CAPSCREW GR 5	8	11-0859
12	7/16 NC NYLOCK NUT	4	11-1003
13	5/8 NC HEX NUT	2	11-1004
14	1/2 NC NYLOCK NUT	4	11-1018
15	3/8 NC NYLOCK NUT	8	11-1024
16	5/8 NC NYLOCK NUT	2	11-1025
17	SINGLE 1/2" HOSE CLAMP	2	11-2041
18	DOUBLE 1/2" HOSE CLAMP	7	11-2047
19	DOUBLE ROTARY SWITCH BOX	1	16-0006C
20	FILTER GAUGE	1	17-0003
21	FILTER ASSEMBLY IN TANK	1	17-0014
22	SUCTION HOSE	3	21-0001
23	1MOR X 1 MJIC, ADAPTER	9	21-1005
24	1/8 X 90DEG ELBOW	1	21-1104
25	FLANGE #24, 1-1/2 KING NIP 90DEG	1	21-1164
26	1-1/2 SAE MALE ADJ ELBOW	1	21-1232
27	1MJIC X 1 FJIC-90DEG, ADAPTER	6	21-1258
28	1/4MJIC X 1/4MJIC X 1/4MJIC, TEE	2	21-1263
29	#20 FLG X 1MJIC-90DEG, ADAPTER	2	21-1267
30	1MJIC X 1 MJIC-90DEG, LIVE SWIVEL	4	21-1269
31	#24 FLG X 1-1/4 MJIC-90DEG, ADAPTER	1	21-1270
32	1/4MJ X 1/4MJ X 1/4MOR, TEE	2	21-1271
33	1MJIC X #20 FLANGE, ADAPTER	1	21-1279
34	1MJIC X 1-1/4 MORB, ADAPTER	3	21-1477
35	#8 MORB HOLLOW HEX PLUG	2	21-1478
36	#20 FLANGE KIT	5	21-2105
37	#24 FLANGE KIT	2	21-2136

REF#	PARTS DESCRIPTION	REQ	PART #
38	BALL VALVE, 1-1/2 SAE	1	21-2182
39	KING NIPPLE LONG, 1-1/2 SAE	1	21-2183
40	LEFT HAND MOTOR MANIFOLD	1	21-2192
41	CENTER MOTOR MANIFOLD	1	21-2193
42	OIL COOLER AND FAN ASSEMBLY	1	21-2194
43	RIGHT HAND MOTOR MANIFOLD	1	21-2196
44	HOSE 1 X 38 (1FJIC-45DEG X 1FJIC)	2	21-3672
45	HOSE 1 X 40 (1FJIC-90DEG X 1FJIC)	1	21-3673
46	HOSE 1 X 40 (1FJIC-45DEG X 1FJIC)	1	21-3674
47	HOSE 1 X 45 (1FJIC-90DEG X 1FJIC)	1	21-3675
48	HOSE 1 X 22 (1FJIC-90DEG X 1MJIC)	1	21-3676
49	HOSE 1 X 12 (#20FLG-90DEG X 1MJIC)	1	21-3677
50	HOSE 1 X 25 (#20FLG-90DEG X 1FJIC)	1	21-3678
51	HOSE 1 X 61 (1FJIC-90DEG X 1FJIC)	1	21-3679
52	HOSE 1 X 13-1/2 (1FJIC-90DEG X 1FJIC-90DEG)	1	21-3680
53	HOSE 1 X 35 (1FJIC X 1-1/4FJIC)	1	21-3681
54	HOSE 1/4 X 19 (1/4MORB-90DEG X 1/4FJIC)	2	21-4017
55	HOSE 1/4 X 33 (1/4MORB-90DEG X 1/4FJIC)	1	21-4018
56	HOSE 1/4 X 26 (1/2MORB-90DEG X 1/4FJIC)	1	21-4019
57	HOSE 1/4 X 10 (1/4FJIC X 1/4FJIC)	1	21-4020
58	HOSE 1/4 X 87 (1/4FJIC X 1/4FJIC)	1	21-4021
59	HOSE 1/4 X 110 (1/4FJIC X 1/4FJIC)	1	21-4022
60	BANDIT CLAMP	4	24-0014
61	FILL SPOUT	1	24-0042
62	SAE SIGHT GLASS	1	24-0094
63	3 INCH TUBE EXTENSION	1	28-0047
64	PREFORMED TUBE (PRESSURE)	1	28-0053
65	PREFORMED TUBE (CROSSOVER)	1	28-0054
66	PREFORMED TUBE (RETURN)	1	28-0055
67	RUN-AROUND TUBE	2	28-0059
68	DRIVE LINE	1	29-0098
69	TANDEM PUMP	1	30-0017
70	PTO SHAFT GUARD	1	31-0098
71	TUBE CLAMP (SHORT)	6	44-0003
72	TUBE CLAMP (TALL)	3	44-0015
73	HYDRAULIC OIL TANK	1	47-0073
74	TANK STRAP	2	47-0530

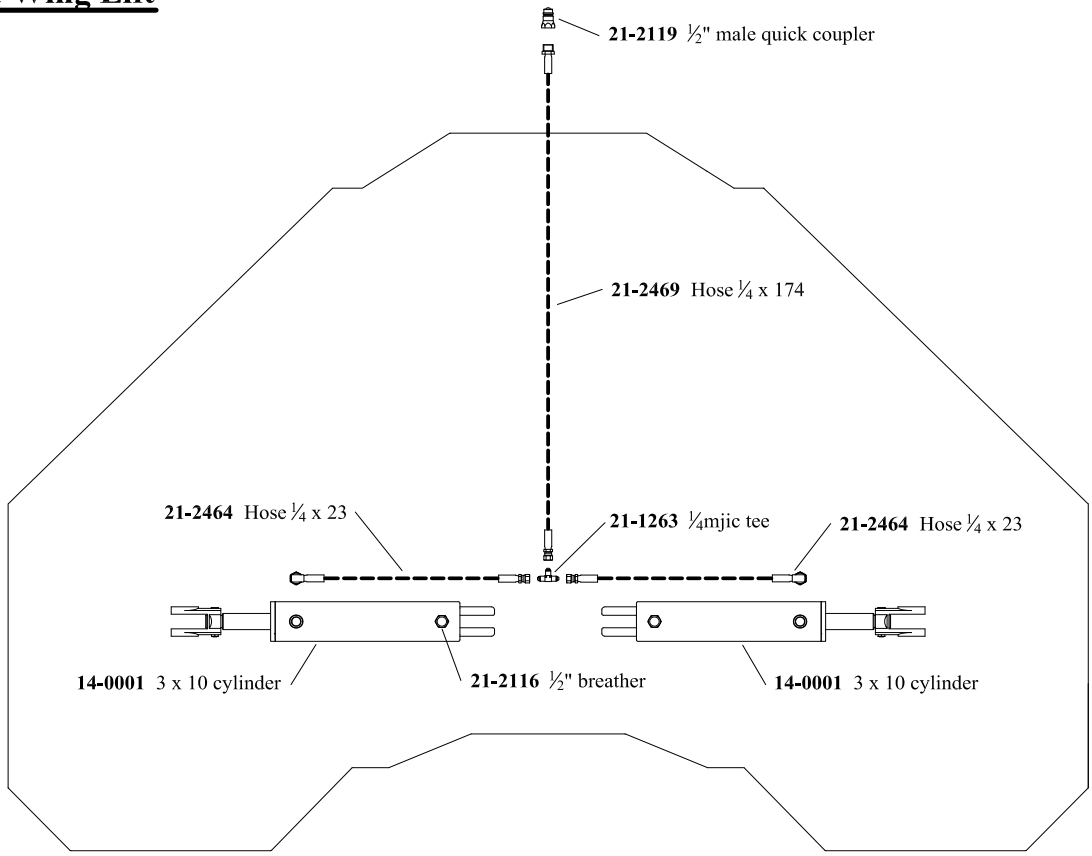
HYDRAULIC SYSTEMS - REPHASING HEIGHT CONTROL, 15'/12' FLEXWING



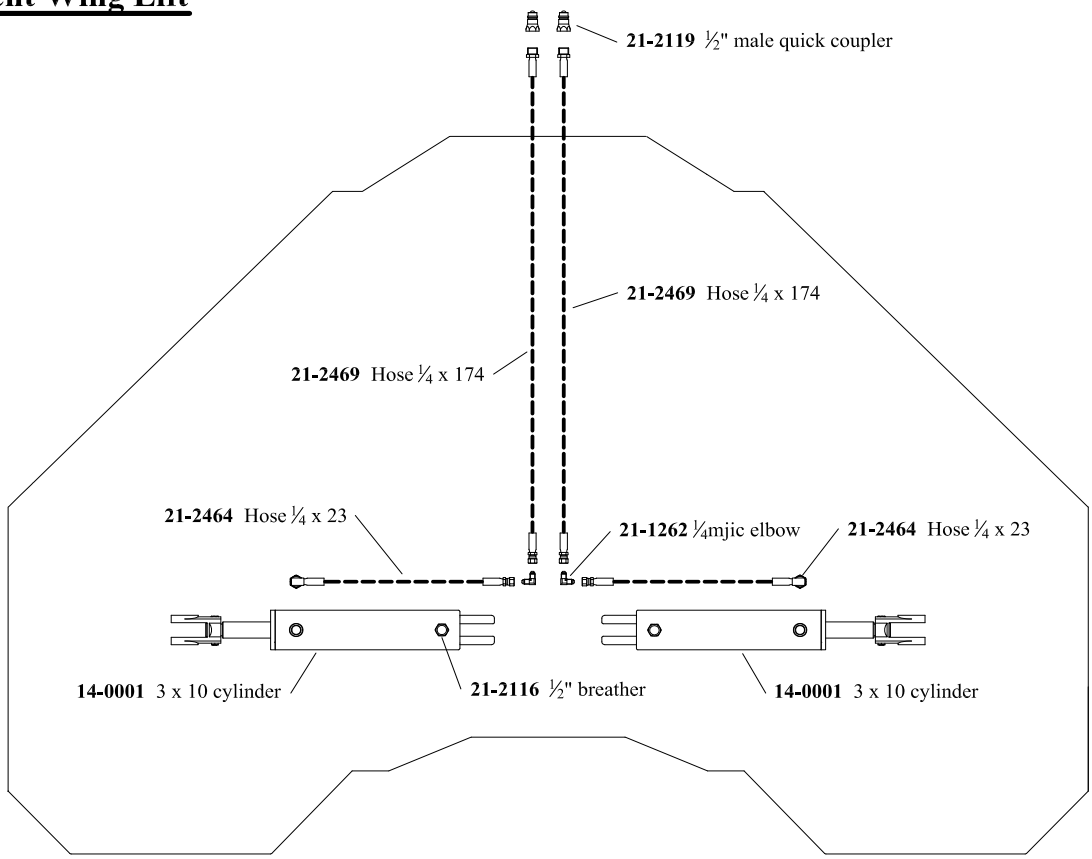
REF#	PARTS DESCRIPTION	REQ	PART #
1	2.8 X 8 CYLINDER, REPHASING	2	14-0040
2	3 X 8 CYLINDER, REPHASING	2	14-0041
3	1/2MORB X 1/2FPX-90DEG, ADAPTER	2	21-1119
4	1/4MJIC TEE	2	21-1263
5	1/2 MALE QUICK COUPLER	2	21-2119
6	HOSE 1/4 X 72 (1/2MORB-90DEG X 1/2MP)	2	21-2209
7	HOSE 1/4 X 190 (1/2MP X 1/4FJIC)	2	21-2470
8	HOSE 1/4 X 24 (1/2MORB-90DEG X 1/4FJIC)	1	21-4148
9	HOSE 1/4 X 43 (1/2MORB-90DEG X 1/4FJIC)	1	21-4149
10	HOSE 1/4 X 94 (1/2MORB-90DEG X 1/4FJIC)	1	21-4150
11	HOSE 1/4 X 72 (1/2MORB-90DEG X 1/4FJIC)	1	21-4151

HYDRAULIC SYSTEMS - WING LIFT CONTROL, 15'/12' FLEXWING

Combined Wing Lift



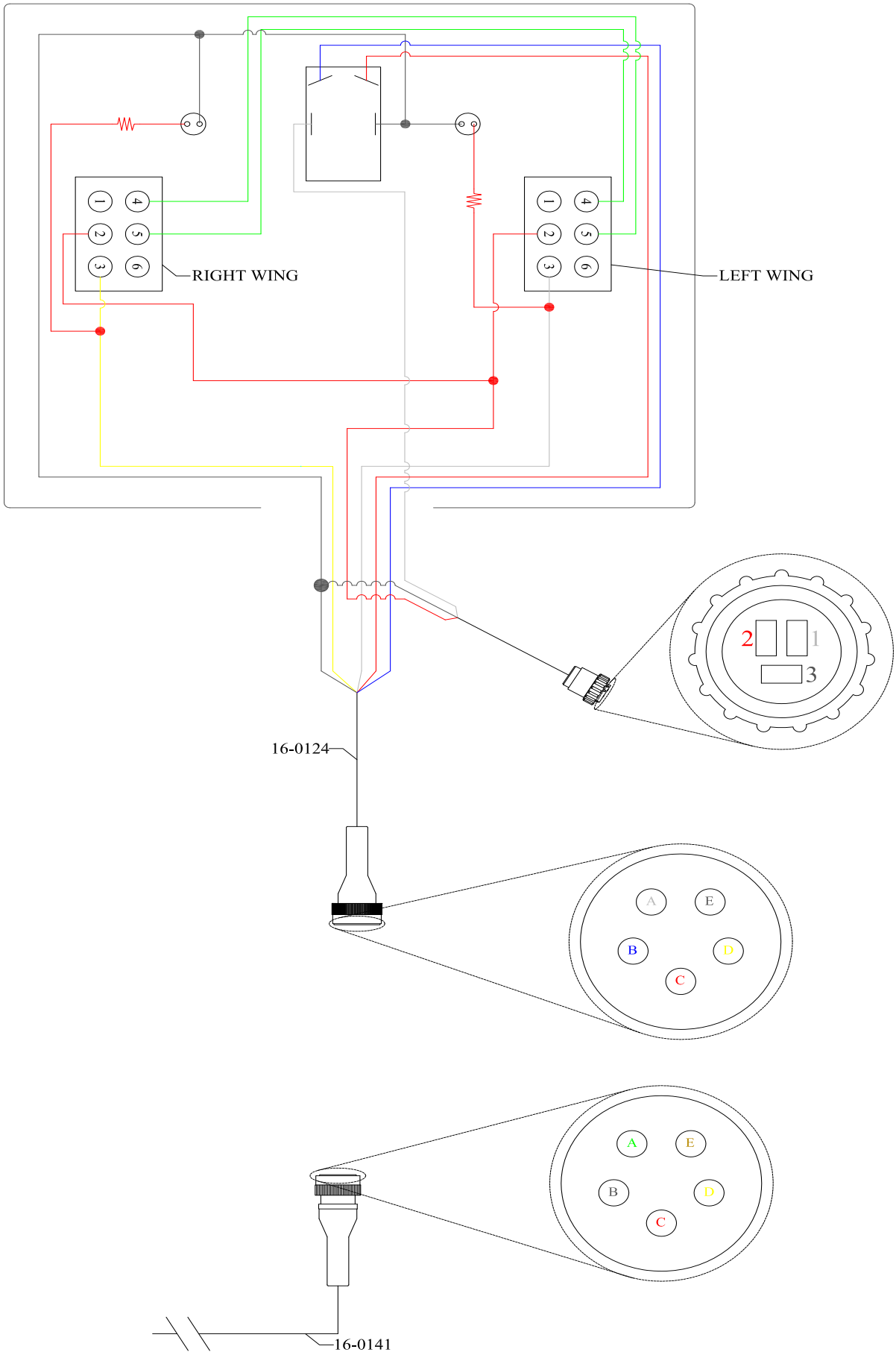
Independent Wing Lift



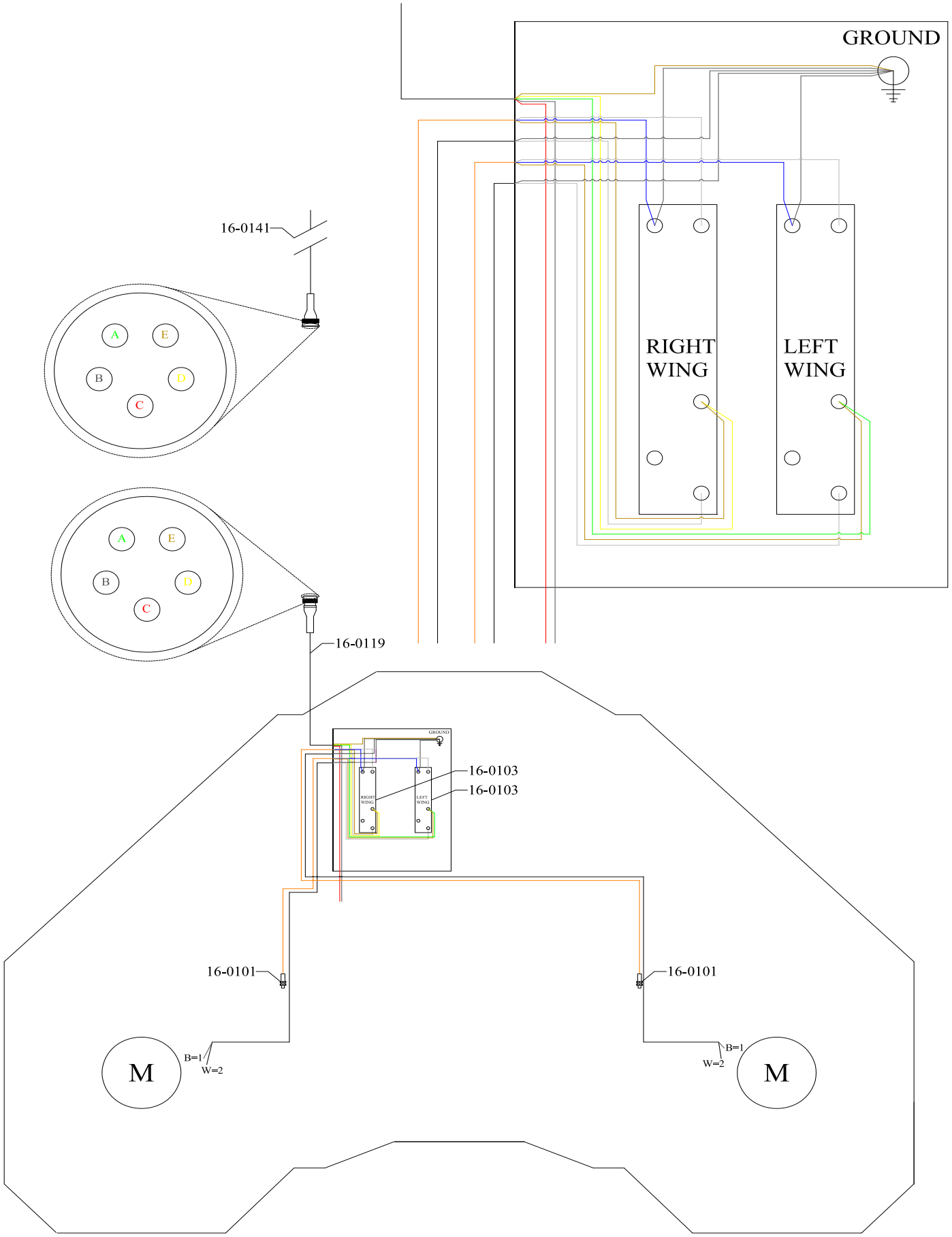
ELECTRICAL ASSEMBLIES

Diamond MOWERS™

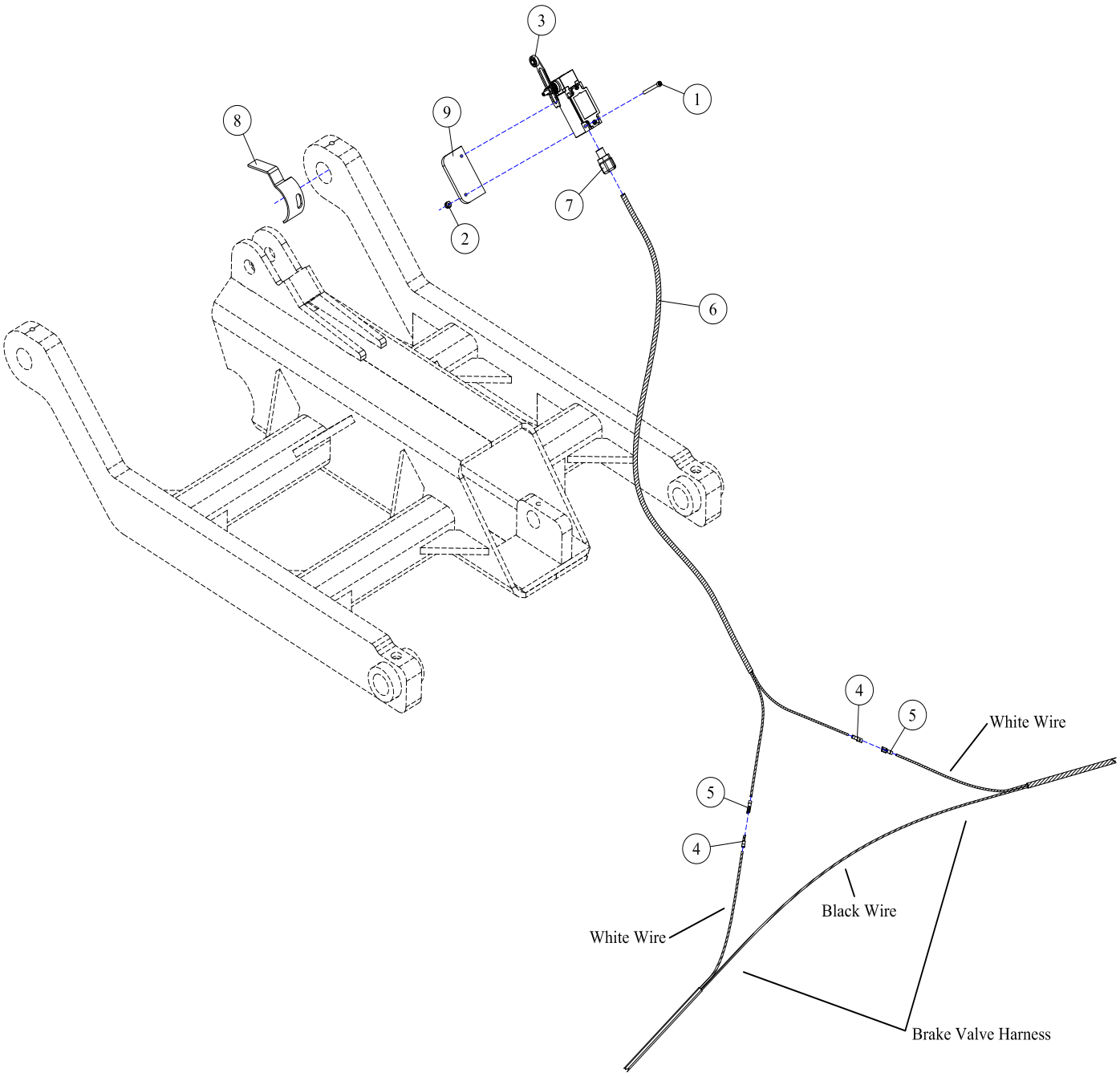
ELECTRICAL ASSEMBLIES - 15'/12' HYDRAULIC FLEXWING, SCHEMATIC



ELECTRICAL ASSEMBLIES - 15'/12' HYDRAULIC FLEXWING, SCHEMATIC



LIMIT SWITCH - DRAFT BEAM HEIGHT LIMITER

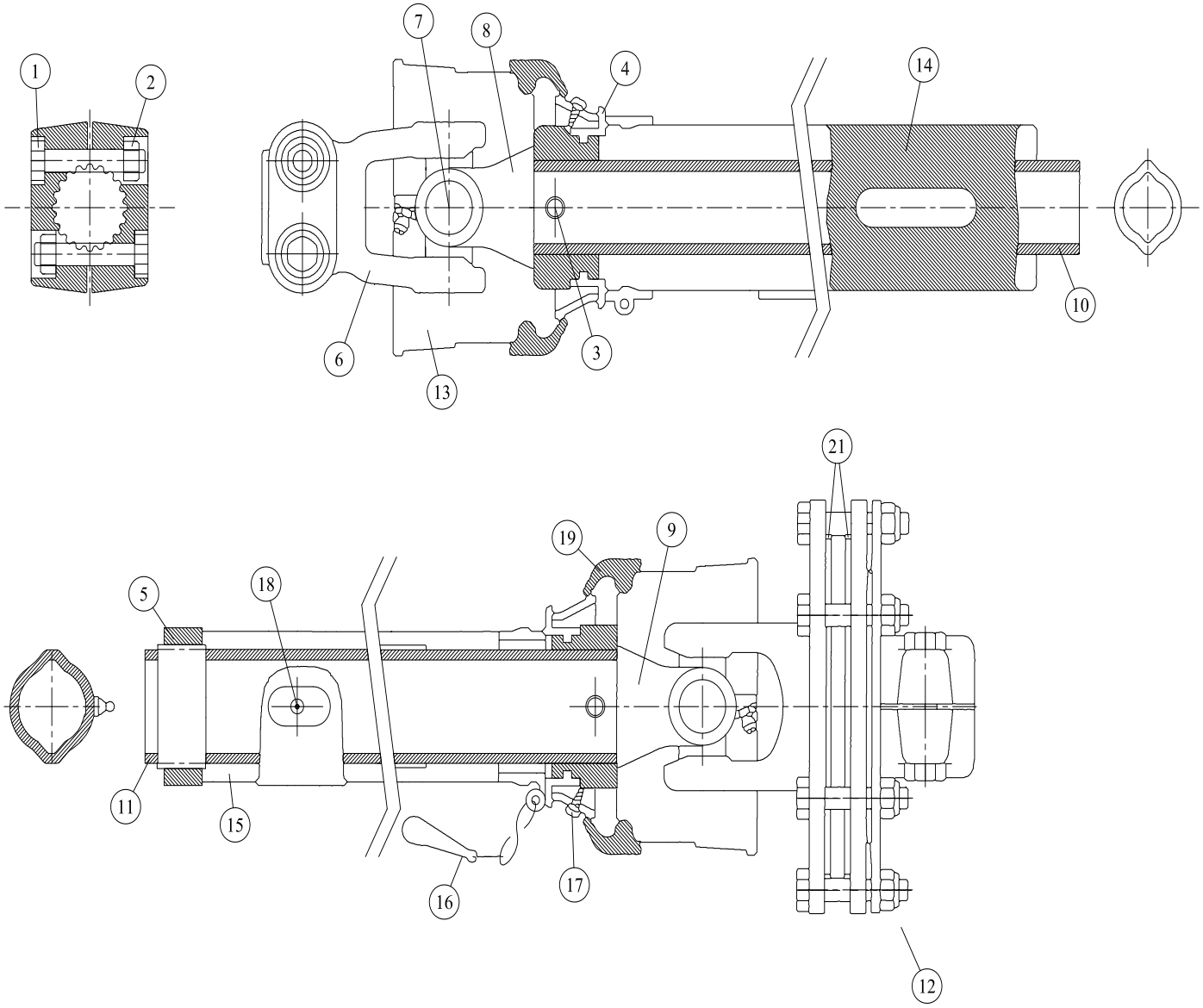


REF#	PARTS DESCRIPTION	REQ	PART #
1	#10 - 24 X 2 SHCS	2	11-0786
2	#10 - 24 NYLOCK NUT	2	11-1051
3	LIMIT SWITCH	1	16-0016
4	14-16GA MALE PUSH-ON CONNECTOR	2	16-0040
5	14-16GA FEMALE PUSH-ON CONNECTOR	2	16-0041
6	14/2 PRIMARY WIRE	Avail/ft	16-0042
7	3/8 CONDUIT STRAIN RELIEF	1	16-0043
8	**CAM TILT BRACKET**		
	LEFT	1	24-0039
	RIGHT	1	24-0040
9	LIMIT SWITCH PLATE	1	31-0023

DECK ASSEMBLIES

Diamond MOWERS™

29-0049 - DRIVE LINE ASSEMBLY

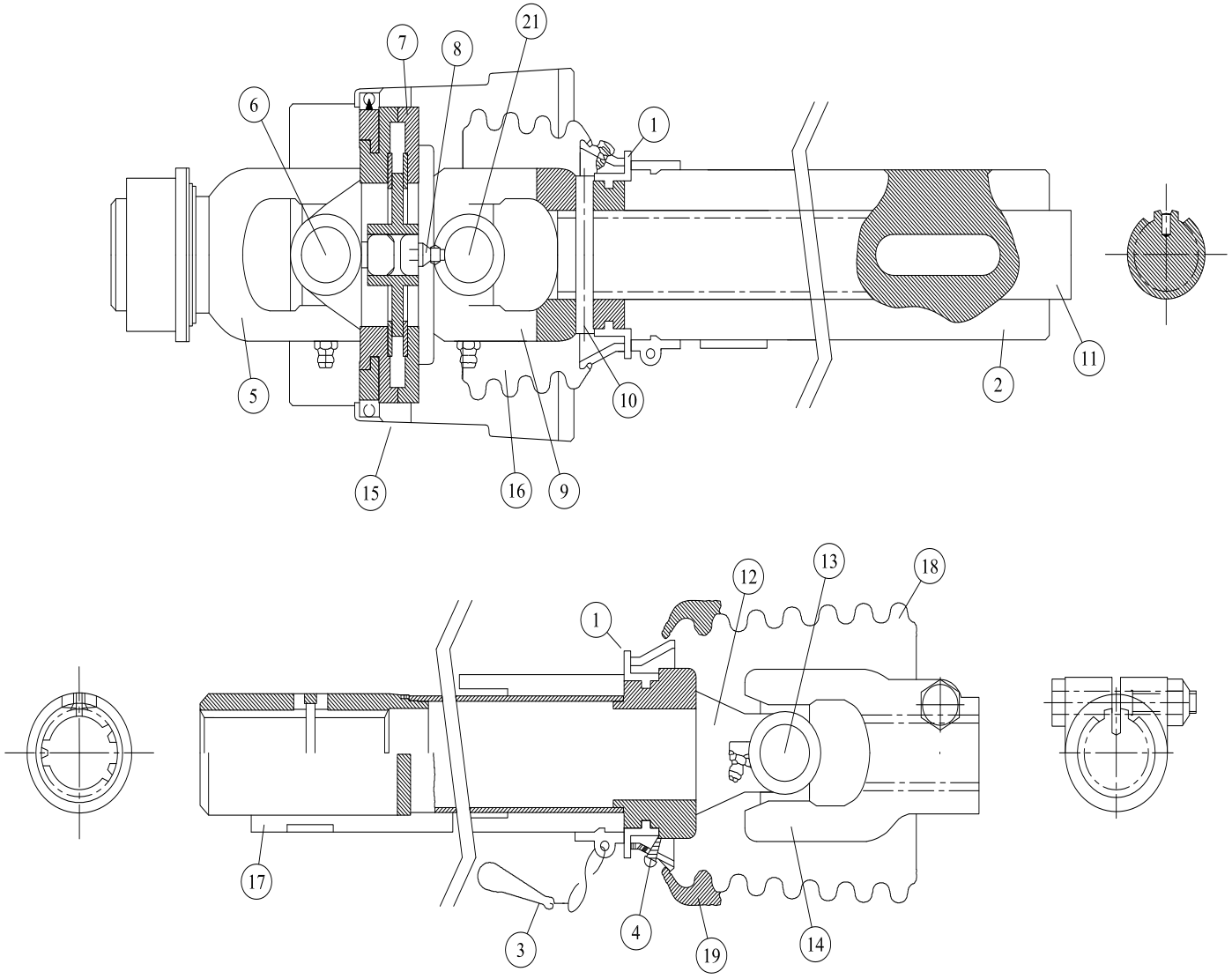


* Items # 13-17 & 19 are for reference only and not for individual sale.
Items 4, 13-17 & 19 are included with item # 20 inner & outer shield complete.

REF#	PARTS DESCRIPTION	REQ	PART #
1	BOLT	2	11-0848
2	NUT	2	11-1045
3	SPRING PIN	2	29-0020
4*	BEARING RING	2	29-0026
5	SUPPORT BEARING	1	29-0027
6	YOKE	1	29-0059
7	CROSS AND BEARING KIT	2	29-0060
8	INBOARD YOKE (FRONT)	1	29-0061
9	INBOARD YOKE (REAR)	1	29-0062
10	INNER PROFILE	1	29-0063
11	PROFILE AND SLEEVE	1	29-0064

REF#	PARTS DESCRIPTION	REQ	PART #
12	FRICTION CLUTCH COMPLETE	1	29-0065
13*	GUARD CONE	2	
14*	GUARD TUBE (OUTER)	1	
15*	GUARD TUBE (INNER)	1	
16*	RESTRAINT CHAIN	1	
17*	SCREW	2	
18	ZERK	1	29-0073
19*	REINFORCING COLLAR	2	
20*	INNER & OUTER SHIELD COMPLETE	1	29-0132
21	FRICTION DISC	2	29-0134

29-0051 - DRIVE LINE ASSEMBLY

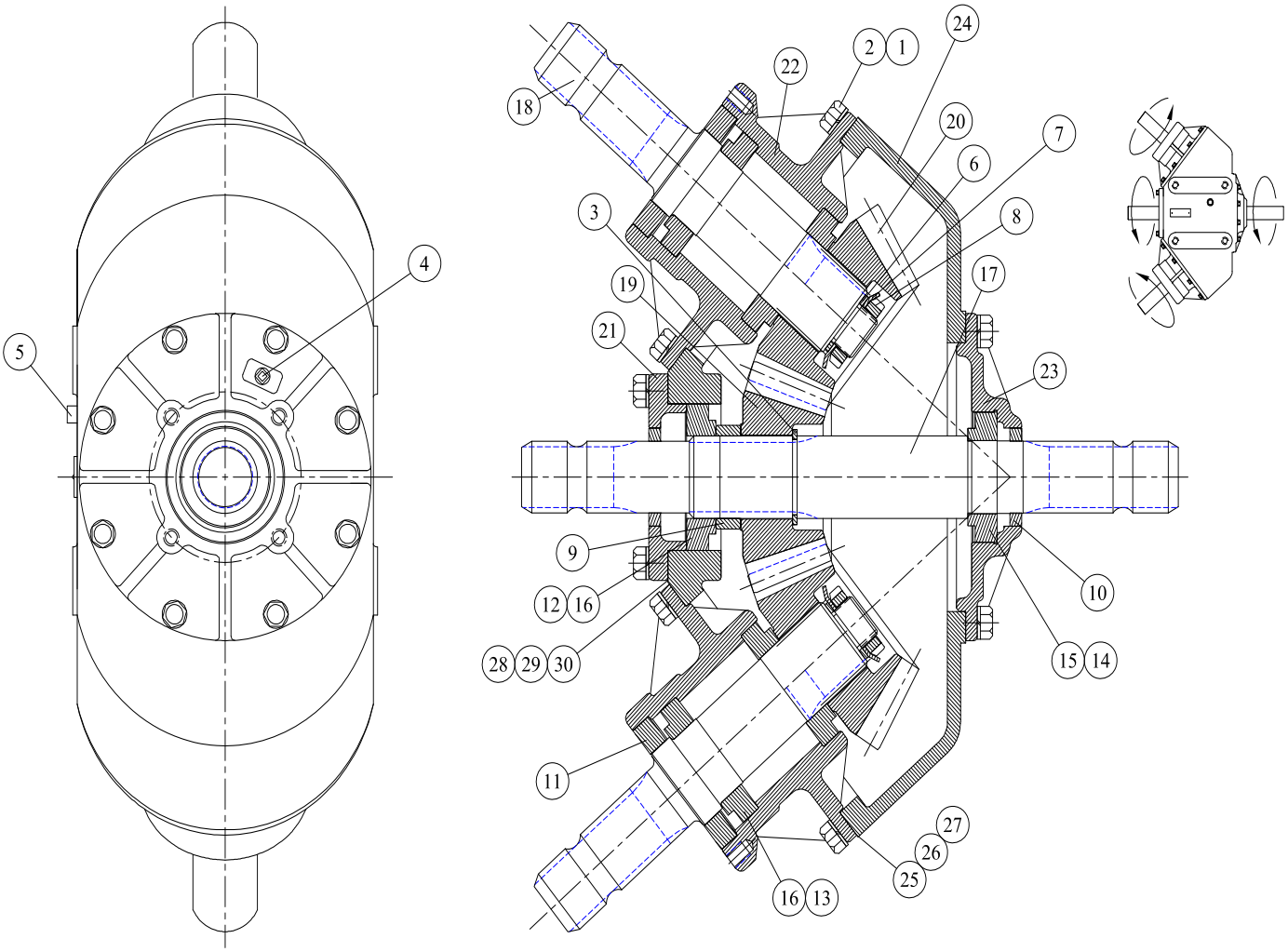


* Items # 2-4 & 16-19 are for reference only and not for individual sale.
Items 1, 2-4 & 16-19 are included with item # 20 inner & outer shield complete.

REF#	PARTS DESCRIPTION	REQ	PART #
1*	BEARING RING	2	29-0026
2*	GUARD TUBE (OUTER)	1	
3*	RESTRAINT CHAIN	1	
4*	SCREW	2	
5	YOKE	1	29-0080
6	CROSS AND BEARING KIT	1	29-0081
7	DOUBLE YOKE	1	29-0082
8	ZERK	1	29-0083
9	INBOARD YOKE	1	29-0084
10	SPRING PIN	1	29-0085
11	INNER PROFILE	1	29-0086

REF#	PARTS DESCRIPTION	REQ	PART #
12	INBOARD YOKE, TUBE, AND SLEEVE	1	29-0087
13	CROSS AND BEARING KIT	1	29-0089
14	YOKE	1	29-0090
15	CV GUARD AND BEARING ASSEMBLY	1	29-0133
16*	GUARD CONE	1	
17*	GUARD TUBE (INNER)	1	
18*	GUARD CONE	1	
19*	REINFORCING COLLAR	1	
20*	INNER & OUTER SHIELD COMPLETE	1	29-0131
21	CROSS AND BEARING KIT	1	29-0140

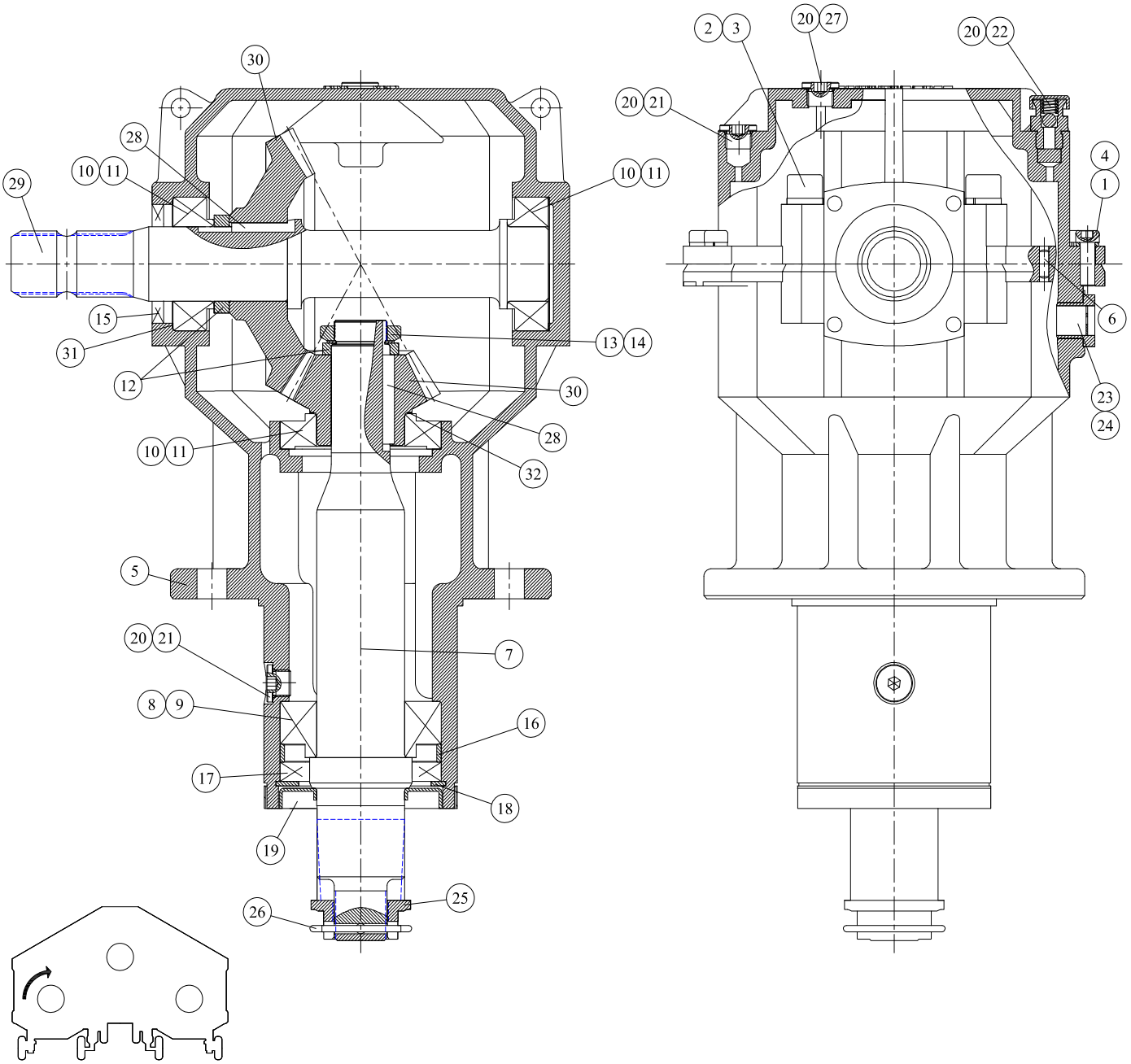
19-0077 - GEAR BOX ASSEMBLY, SPLITTER



REF#	PARTS DESCRIPTION	REQ	PART #
1	3/8 LOCK WASHER	28	11-0005
2	3/8 X 1-1/4 NC HEX CAPSCREW	28	11-0533
3	RETAINING RING	1	19-0128
4	PLUG, OIL LEVEL	1	19-0129
5	PIPE PLUG, 1/2" SQUARE HEAD	1	19-0150
6	FLAT WASHER	2	19-0131
7	LOCK WASHER	2	19-0132
8	LOCK NUT	2	19-0133
9	SPACER	1	19-0134
10	SEAL	2	19-0135
11	SEAL	2	19-0136
12	BEARING CUP	1	19-0137
13	BEARING CUP	4	19-0138
14	BEARING CUP	1	19-0139
15	BEARING CONE	1	19-0140

REF#	PARTS DESCRIPTION	REQ	PART #
16	BEARING CONE	5	19-0141
17	SHAFT, INPUT 1.75" - 20 SPLINE (LONG)	1	19-0142
18	SHAFT, OUTPUT 1.75" - 20 SPLINE (SHORT)	2	19-0143
19	PINION	1	19-0144
20	GEAR	2	19-0145
21	CAP, OUTPUT	1	19-0146
22	CAP, CANTILEVERED OUTPUT	2	19-0147
23	CAP, INPUT	1	19-0148
24	HOUSING	1	19-0149
25	GASKET, 0.10	VAR	CALL
26	GASKET, 0.15	VAR	CALL
27	GASKET, 0.30	VAR	CALL
28	GASKET, 0.10	VAR	CALL
29	GASKET, 0.15	VAR	CALL
30	GASKET, 0.30	VAR	CALL

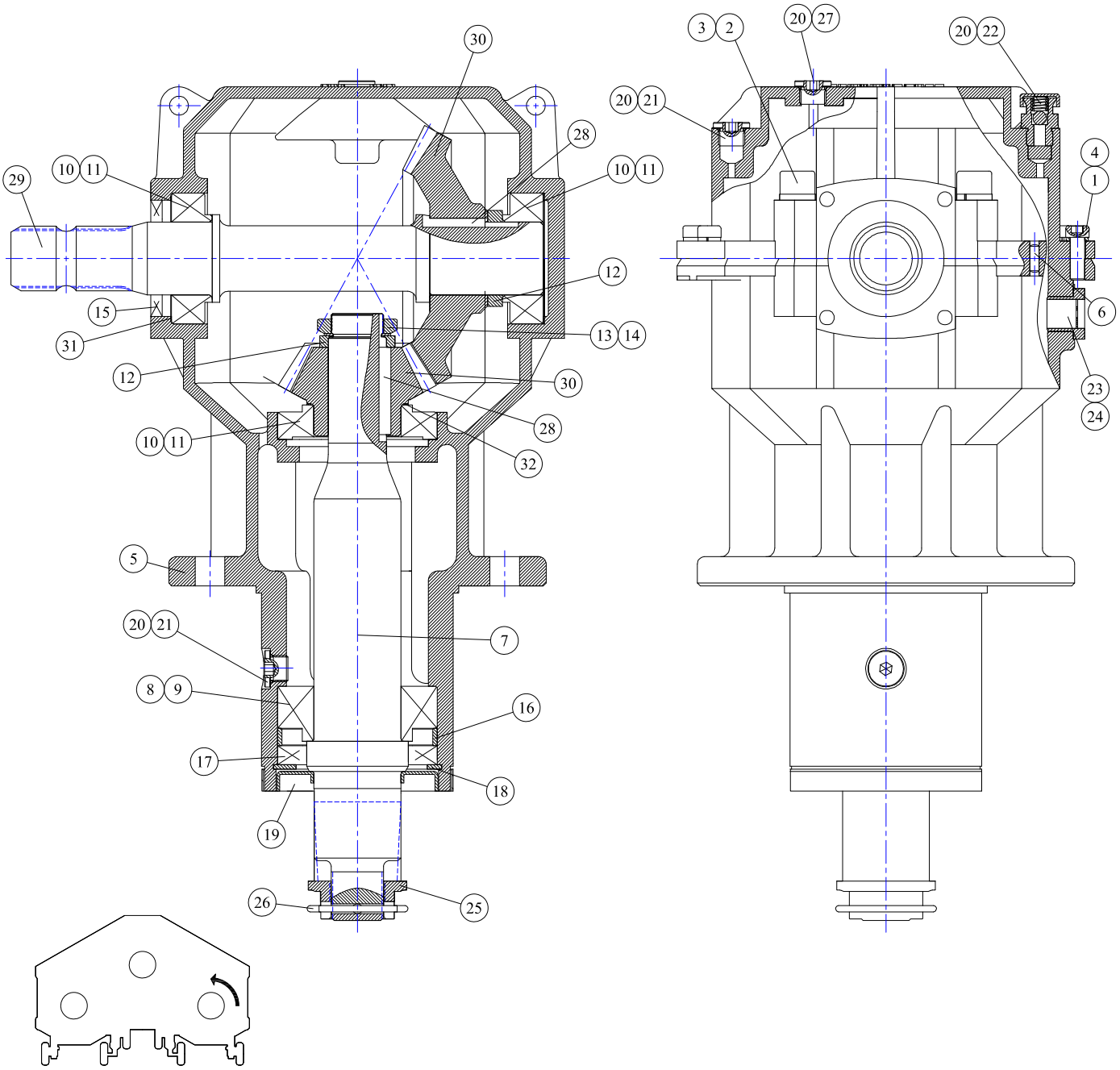
19-0078 - GEAR BOX ASSEMBLY



REF#	PARTS DESCRIPTION	REQ	PART #
1	LOCK WASHER, M10	6	11-0069
2	LOCK WASHER, M16	4	11-0071
3	SOCKET-HEAD CAPSCREW, M16 - 2.0 X 70	4	11-0854
4	SOCKET-HEAD CAPSCREW, M10 - 1.5 X 30	6	11-0855
5	HOUSING	1	19-0086
6	DOWEL PIN, ∅ 6.35 X 19	2	19-0087
7	SHAFT, OUTPUT SPLINE 18T	1	19-0088
8	BEARING CONE	1	19-0089
9	BEARING CUP	1	19-0090
10	BEARING CONE	3	19-0091
11	BEARING CUP	3	19-0092
12	SPACER SHAFT	2	19-0095
13	LOCKING WASHER	1	19-0096
14	LOCKING NUT	1	19-0097
15	SEAL, INPUT	1	19-0098
16	SPACER, OUTPUT SEAL	1	19-0099

REF#	PARTS DESCRIPTION	REQ	PART #
17	SEAL, OUTPUT	1	19-0100
18	RETAINING RING	1	19-0101
19	SHIELD, OUTPUT	1	19-0102
20	O-RING, ∅ 2.62 X ∅ 12.37	4	19-0103
21	FLANGE PLUG, M18 X 1.5	2	19-0104
22	PLUG, PRESSURE RELIEF, M18 X 1.5	1	19-0105
23	O-RING	1	19-0106
24	OIL SIGHT GLASS, M27 X 1.5	1	19-0107
25	HEX NUT, SLOTTED, M36 X 3	1	19-0108
26	COTTER PIN, 6.3 X 60	1	19-0109
27	FLANGE PLUG WITH DIP STICK	1	19-0110
28	KEY, 12 X 8 X 38	2	19-0111
29	SHAFT, INPUT 1.75" - 20 SPLINE	1	19-0113
30	SPIRAL GEAR/ PINION ASSEMBLY	1	19-0115
31	SPACER, INPUT (VAR. THICKNESS)	VAR	CALL
32	SHIM, OUTPUT (VAR. THICKNESS)	VAR	CALL

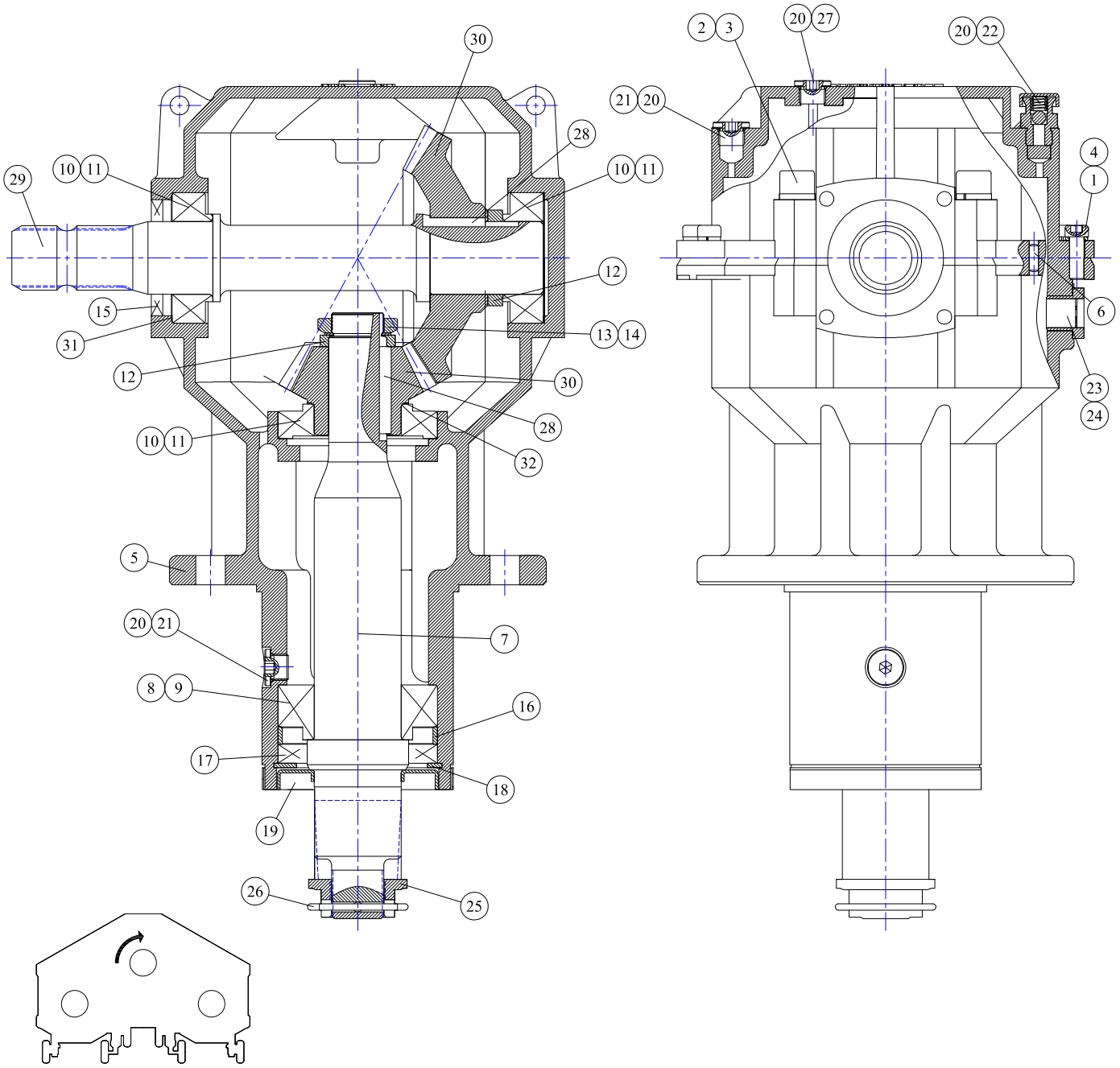
19-0079 - GEAR BOX ASSEMBLY



REF#	PARTS DESCRIPTION	REQ	PART #
1	LOCK WASHER, M10	6	11-0069
2	LOCK WASHER, M16	4	11-0071
3	SOCKET-HEAD CAPSCREW, M16 - 2.0 X 70	4	11-0854
4	SOCKET-HEAD CAPSCREW, M10 - 1.5 X 30	6	11-0855
5	HOUSING	1	19-0086
6	DOWEL PIN, ∅ 6.35 X 19	2	19-0087
7	SHAFT, OUTPUT SPLINE 18T	1	19-0088
8	BEARING CONE	1	19-0089
9	BEARING CUP	1	19-0090
10	BEARING CONE	3	19-0091
11	BEARING CUP	3	19-0092
12	SPACER SHAFT	2	19-0095
13	LOCKING WASHER	1	19-0096
14	LOCKING NUT	1	19-0097
15	SEAL, INPUT	1	19-0098
16	SPACER, OUTPUT SEAL	1	19-0099

REF#	PARTS DESCRIPTION	REQ	PART #
17	SEAL, OUTPUT	1	19-0100
18	RETAINING RING	1	19-0101
19	SHIELD, OUTPUT	1	19-0102
20	O-RING, ∅ 2.62 X ∅ 12.37	4	19-0103
21	FLANGE PLUG, M18 X 1.5	2	19-0104
22	PLUG, PRESSURE RELIEF, M18 X 1.5	1	19-0105
23	O-RING	1	19-0106
24	OIL SIGHT GLASS, M27 X 1.5	1	19-0107
25	HEX NUT, SLOTTED, M36 X 3	1	19-0108
26	COTTER PIN, 6.3 X 60	1	19-0109
27	FLANGE PLUG WITH DIP STICK	1	19-0110
28	KEY, 12 X 8 X 38	2	19-0111
29	SHAFT, INPUT 1.75" - 20 SPLINE	1	19-0112
30	SPIRAL GEAR/ PINION ASSEMBLY	1	19-0115
31	SPACER, INPUT (VAR. THICKNESS)	VAR	CALL
32	SHIM, OUTPUT (VAR. THICKNESS)	VAR	CALL

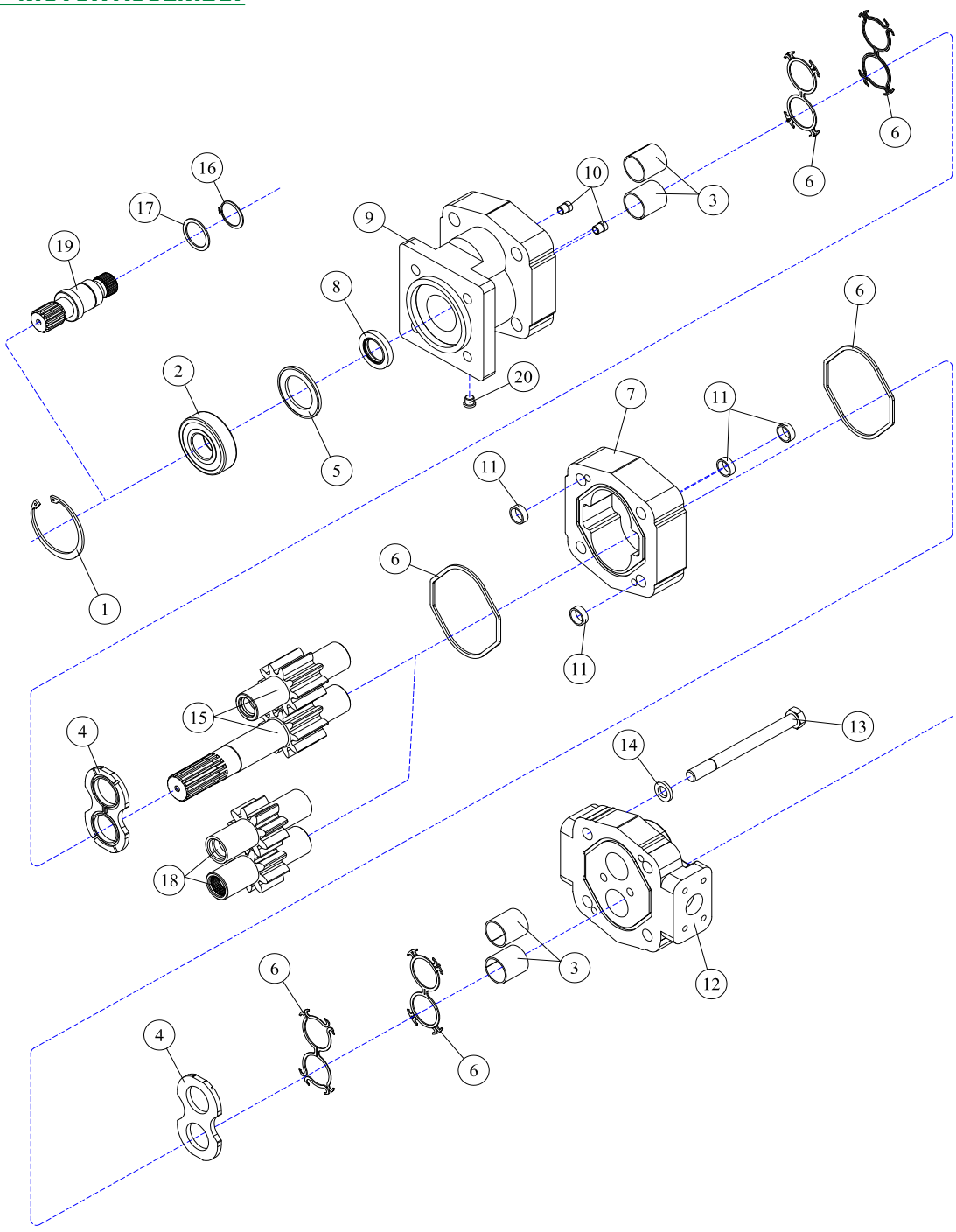
19-0080 - GEAR BOX ASSEMBLY



REF#	PARTS DESCRIPTION	REQ	PART #
1	LOCK WASHER, M10	6	11-0069
2	LOCK WASHER, M16	4	11-0071
3	SOCKET-HEAD CAPSCREW, M16 - 2.0 X 70	4	11-0854
4	SOCKET-HEAD CAPSCREW, M10 - 1.5 X 30	6	11-0855
5	HOUSING	1	19-0086
6	DOWEL PIN, ∅ 6.35 X 19	2	19-0087
7	SHAFT, OUTPUT SPLINE 18T	1	19-0088
8	BEARING CONE	1	19-0089
9	BEARING CUP	1	19-0090
10	BEARING CONE	3	19-0091
11	BEARING CUP	3	19-0092
12	SPACER SHAFT	2	19-0095
13	LOCKING WASHER	1	19-0096
14	LOCKING NUT	1	19-0097
15	SEAL, INPUT	1	19-0098
16	SPACER, OUTPUT SEAL	1	19-0099

REF#	PARTS DESCRIPTION	REQ	PART #
17	SEAL, OUTPUT	1	19-0100
18	RETAINING RING	1	19-0101
19	SHIELD, OUTPUT	1	19-0102
20	O-RING, ∅ 2.62 X ∅ 12.37	4	19-0103
21	FLANGE PLUG, M18 X 1.5	2	19-0104
22	PLUG, PRESSURE RELIEF, M18 X 1.5	1	19-0105
23	O-RING	1	19-0106
24	OIL SIGHT GLASS, M27 X 1.5	1	19-0107
25	HEX NUT, SLOTTED, M36 X 3	1	19-0108
26	COTTER PIN, 6.3 X 60	1	19-0109
27	FLANGE PLUG WITH DIP STICK	1	19-0110
28	KEY, 12 X 8 X 38	2	19-0111
29	SHAFT, INPUT 1.75" - 20 SPLINE	1	19-0112
30	SPIRAL GEAR/ PINION ASSEMBLY	1	19-0114
31	SPACER, INPUT (VAR. THICKNESS)	VAR	CALL
32	SHIM, OUTPUT (VAR. THICKNESS)	VAR	CALL

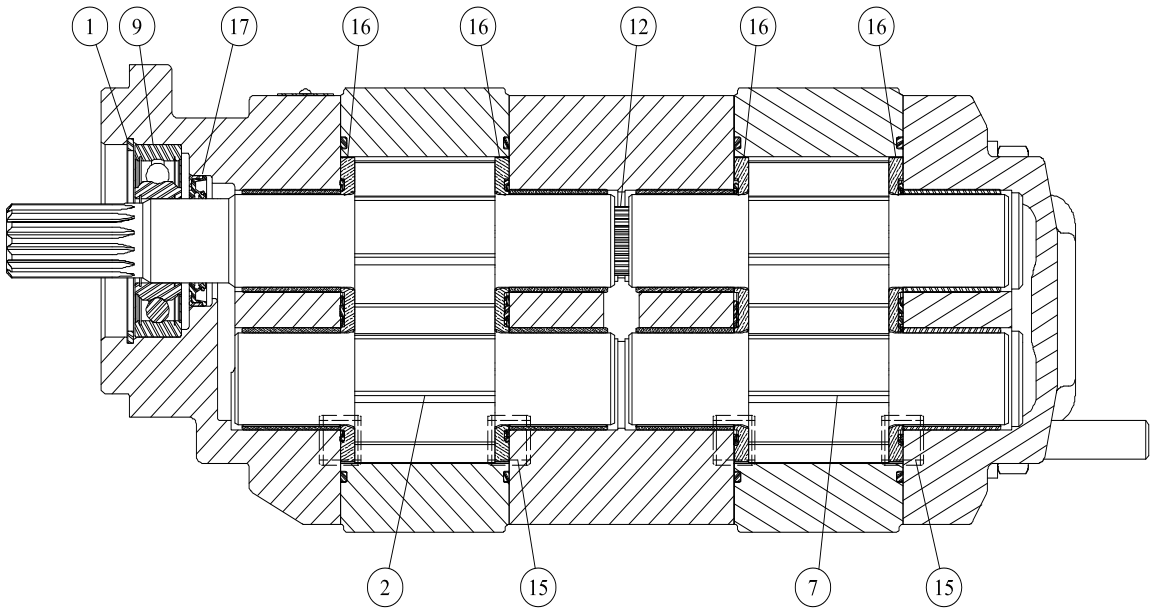
30-0524 - MOTOR ASSEMBLY

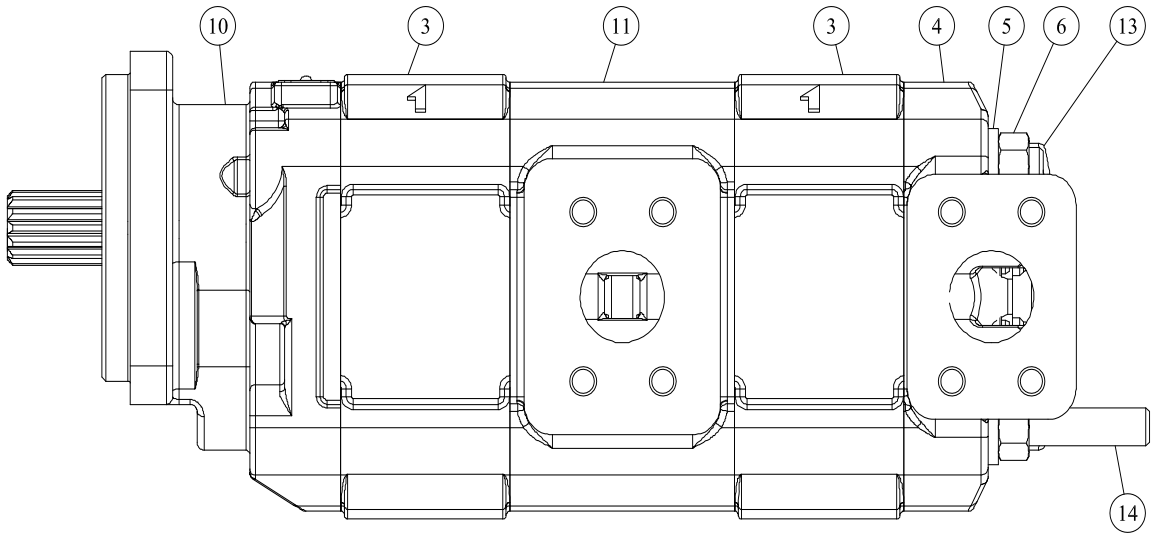


REF#	PARTS DESCRIPTION	REQ	PART #
1	SNAP RING	1	30-1009
2	OUTBOARD BEARING	1	30-1010
3	BUSHING	4	30-1011
4	THRUST PLATE	2	30-1012
5	SEAL RETAINER	1	30-1017
6	M365 SEAL KIT	Avail	30-1021
7	2-1/4" M365 GEAR HOUSING	1	30-1026
8	**SHAFT SEAL**		
	150 PSI (included in M365 seal kit)	1	30-1210
	500 PSI	1	30-1156
9	SHAFT END COVER	1	30-1086
10	CHECK ASSEMBLY	2	30-1087
11	ALIGNMENT BUSHING	4	30-1090

REF#	PARTS DESCRIPTION	REQ	PART #
12	PORT END COVER	1	30-1091
13	STUD	4	Call
14	WASHER	4	30-1093
	GEAR SET OPTION A:		
15	2-1/4" GEAR SET	1	30-1165
	GEAR SET OPTION B:		
16	RETAINING RING	1	30-1019
17	WASHER	1	30-1020
18	2-1/4" GEAR SET	1	30-1025
19	CONTINENTAL SHAFT, SPLINED	1	30-1144
20	PLUG	1	30-1096
*	SEAL APPLICATOR TOOL (not shown)	Avail	30-1048

30-0017 - PUMP ASSEMBLY





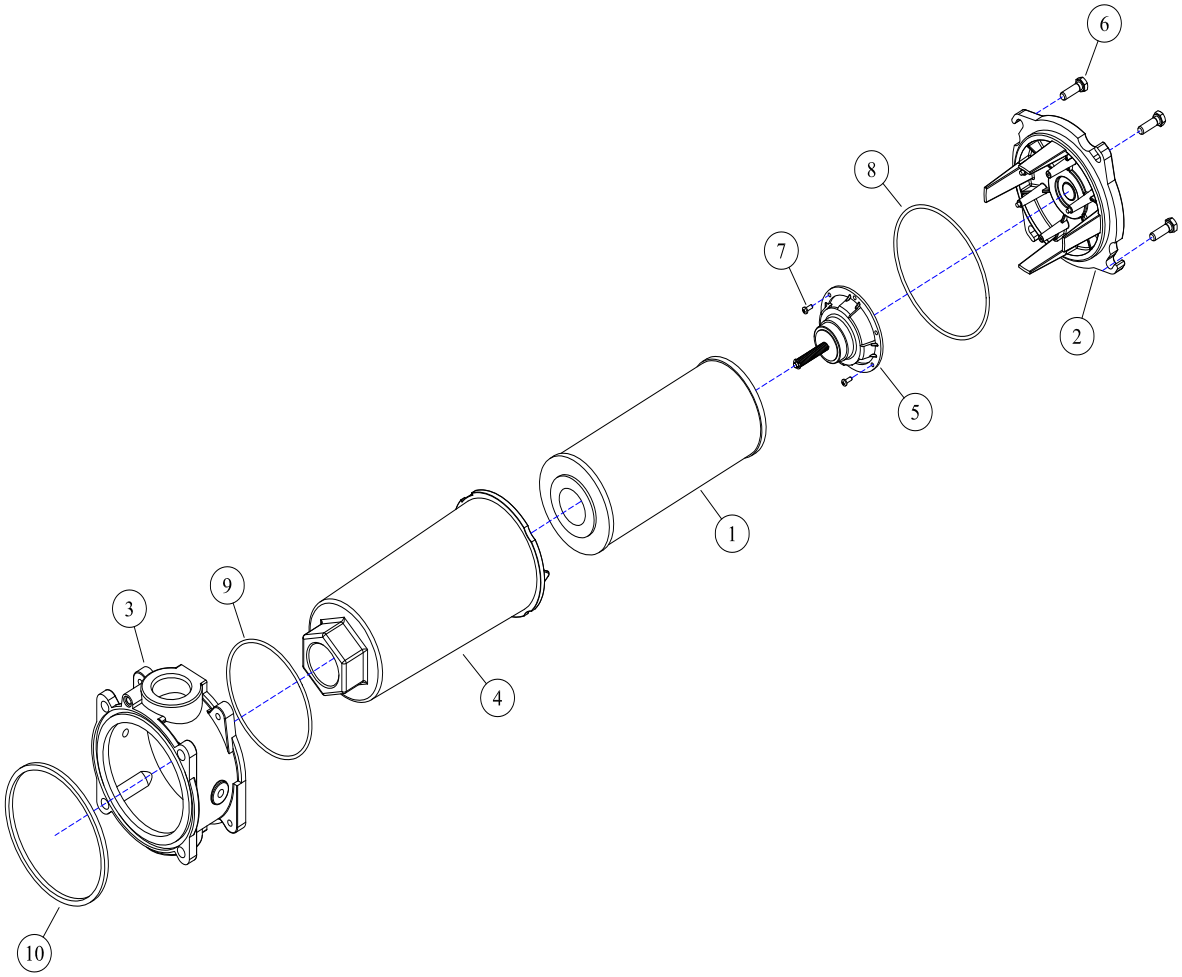
*Complete seal kit can be purchased using part 30-1172.

**Item # 17 shaft seal is included with complete seal kit.

REF#	PARTS DESCRIPTION	REQ	PART #
1	SNAP RING	1	30-1009
2	GEAR SET & SHAFT	1	30-1079
3	GEAR HOUSING	2	30-1082
4	PORT END COVER	1	30-1083
5	WASHER	4	30-1127
6	HEX NUT	4	30-1128
7	GEAR SET	1	30-1136
8	SEAL KIT	1	30-1172
9	BEARING	1	30-1173

REF#	PARTS DESCRIPTION	REQ	PART #
10	SHAFT END COVER	1	30-1174
11	BEARING CARRIER	1	30-1175
12	CONNECTING SHAFT	1	30-1176
13	STUD	2	30-1177
14	STUD	2	30-1178
15	DOWEL PIN	16	30-1179
16	THRUST PLATE	4	30-1180
17	SHAFT SEAL	1	30-1181

17-0014 - FILTER ASSEMBLY



REF#	PARTS DESCRIPTION	REQ	PART #
1	FILTER ELEMENT	1	17-0001
2	COVER	1	17-0016
3	PORT CASTING	1	17-0017
4	ELEMENT HOUSING	1	17-0018
5	BY-PASS ASSEMBLY	1	17-0019
6	SCREW (COVER)	4	17-0020
7	SCREW (BY-PASS ASSEMBLY)	2	17-0021
8	O-RING, COVER/PORT CASTING	1	33-0005
9	O-RING, ELEMENT/PORT CASTING	1	33-0053
10	TETRA SEAL	1	33-0018

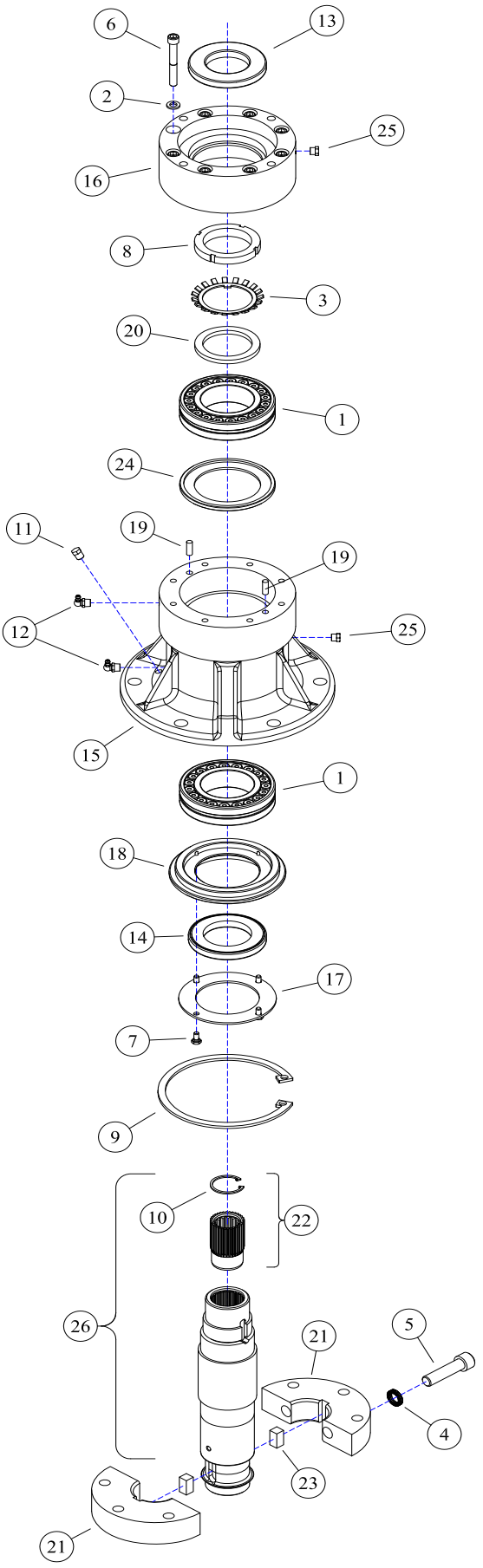
80-2542 - DIRECT DRIVE WETBLADE™ SPINDLE

The direct drive spindle requires substantially less lubrication than previous versions of mower spindles. Grease with #2 lithium based grease every 500hrs. Use 10 pumps (.44oz) into each of the two grease zerks.

Warning: Do not overgrease
Overgreasing will cause damage or premature failure of the bearings, housing & seals.

REF#	PARTS DESCRIPTION	REQ	PART #
1	BEARING	2	10-0055
2	3/8 LOCK WASHER	8	11-0005
3	LOCKING WASHER	1	11-0048
4	5/8 CARBON STEEL NORD-LOCK	2	11-0053
5	5/8 X 2-1/2 NF SKT HEAD CAPSCREW	2	11-0697
6	3/8 X 2-3/4 NC SKT HEAD CAPSCREW	8	11-0703
7	1/4 X 1/2 NC CAPSCREW	4	11-0741
8	2-1/2 SPANNER NUT	1	11-1037
9	LARGE SNAP RING	1	11-2021
10	SMALL SNAP RING	1	11-2022
11	PIPE PLUG	1	21-1136
12	1/8 X 90 GREASE ZERK	2	23-0005
13	UPPER SEAL	1	33-0035
14	LOWER SEAL	1	33-0040
15	SPINDLE HOUSING	1	35-0021
16	SEAL/MOTOR MOUNT	1	35-0022
17	BOTTOM PLATE	1	35-0025
18	BOTTOM SEAL PLATE	1	35-0030
19	ALIGNMENT PIN	2	35-0032
20	SPACER	1	35-0050
*21	SHAFT CLAMP	1	35-0089
**22	SPLINED INSERT KIT	1	35-0091
23	KEY	2	35-0092
24	GREASE CATCH	1	80-1007
25	BREATHER	2	80-1016
26	SPINDLE SHAFT COMPLETE	1	80-1046

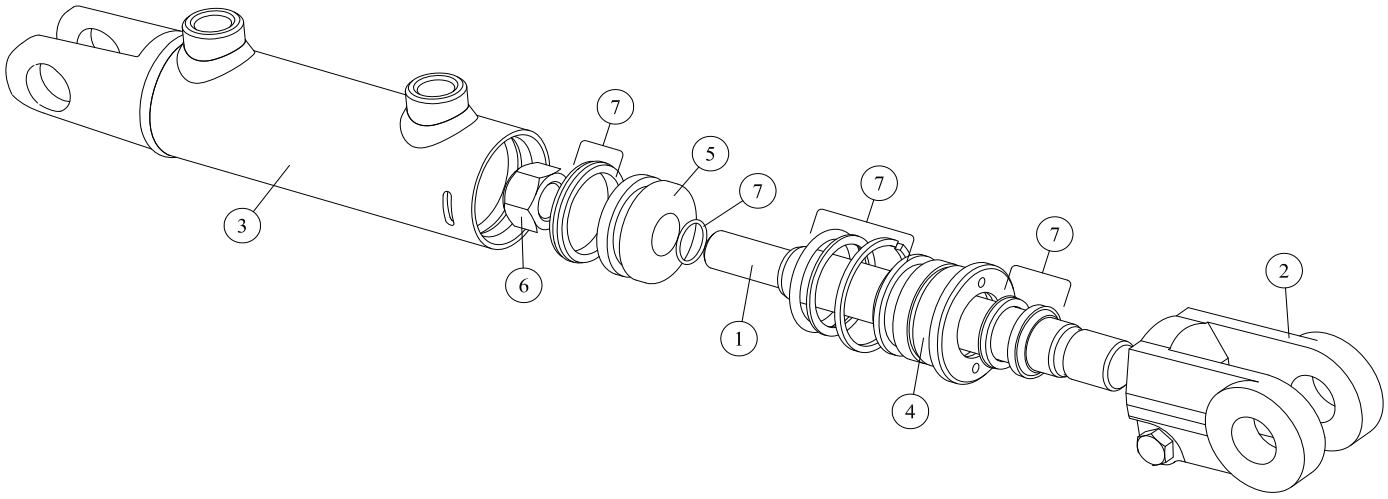
* Item # 21 shaft clamp includes both clamping halves.
** The splined insert kit includes the insert removal tool 11-0913.



LIFT ASSEMBLIES

Diamond MOWERS™

14-0001 - 3X10 WELDED CYLINDER



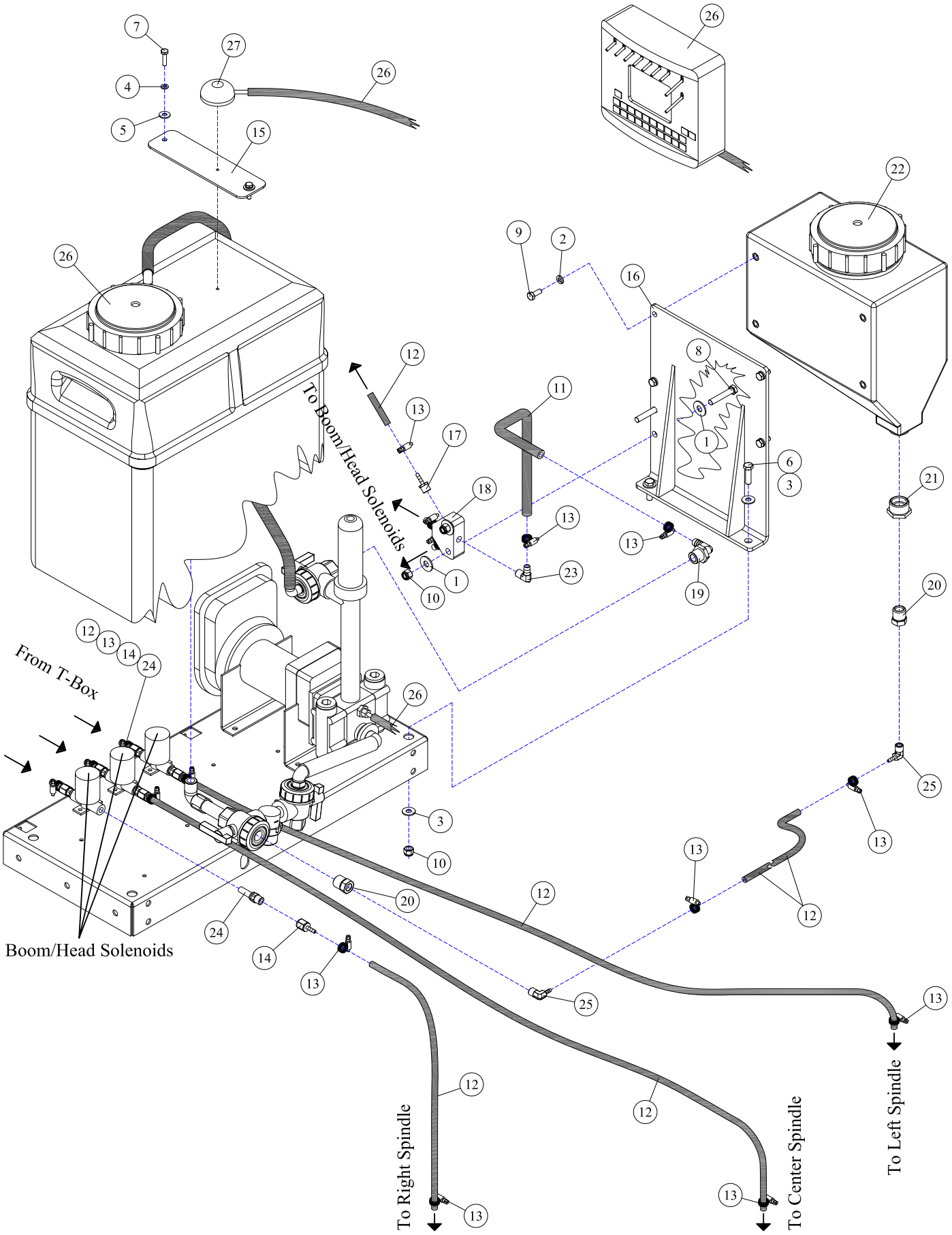
REF#	PARTS DESCRIPTION	REQ	PART #
1	PISTON ROD	1	14-1130
2	CLEVIS ASSEMBLY	1	14-1160
3	BUTT & TUBE ASSEMBLY	1	14-1140
4	GLAND	1	14-1155
5	PISTON	1	14-1150
6	LOCKNUT	1	14-1120
7	SEAL KIT	1	33-0038

14-0040 - 2.8X8 REPHASING CYLINDER, 1.125" ROD

WETBLADE™ ASSEMBLIES

Diamond MOWERS™

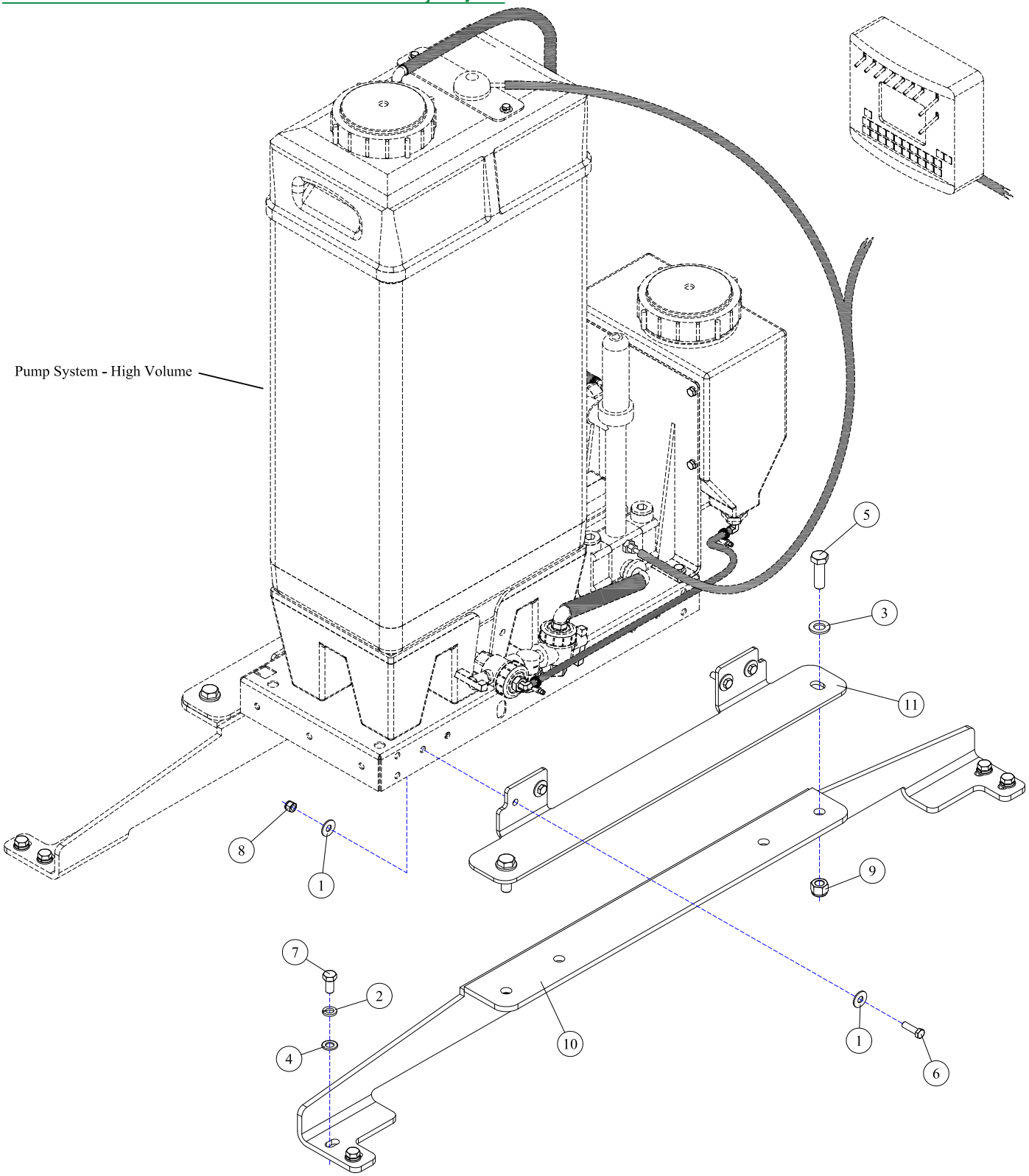
WETBLADE™ PUMP SYSTEM - HIGH VOLUME



WETBLADE™ PUMP SYSTEM - HIGH VOLUME

REF#	PARTS DESCRIPTION	REQ	PART #
1	3/8 FLAT WASHER GR5	4	11-0009
2	5/16 LOCK WASHER GR5	4	11-0013
3	5/16 FLAT WASHER GR5	4	11-0015
4	1/4 LOCK WASHER GR 5	2	11-0020
5	1/4 FLAT WASHER GR 5	2	11-0023
6	3/8 X 1-1/4 NC HEX CAPSCREW GR5	2	11-0533
7	1/4 X 1 NC HEX CAPSCREW GR5	2	11-0550
8	3/8 X 2 NC HEX CAPSCREW GR5	2	11-0579
9	5/16 X 3/4 NC HEX CAPSCREW GR5	4	11-0596
10	3/8 NC NYLOCK NUT GR5	4	11-1024
11	HOSE, 3/8 FUEL LINE (INCHES)	12	21-0013
12	HOSE, 3/16 FUEL LINE (SOLD/FT)	25	21-0026
13	CLAMP, WORM GEAR	16	21-0027
14	1/4FB X 3/16 HOSE BARB	6	21-1471
15	RAVEN SYSTEM GPS MOUNT	1	31-0377
16	FLUSH TANK BRACKET	1	41-1094
17	1/4NPT X 3/16 BARBED, ADAPTER	3	80-2016
18	T-BOX WETBLADE 1/4NPT TEE	1	80-2023
19	POLY HOSE ELBOW, 1/2 X 3/8	1	80-2100
20	POLY REDUCER BUSHING, 1/2FP X 1/4MP	2	80-2101
21	POLY REDUCER BUSHING, 3/4 X 1/2FP	1	80-2103
22	3 GALLON FLUSH TANK	1	80-2104
23	1/4NPT X 3/8 BARB-90DEG	1	80-2108
24	3/8MUR-LOK X 1/4NPT, ADAPTER	6	80-2109
25	1/4NPT X 3/16 BARBED-90DEG, ADAPTER	2	80-2540
26	WETBLADE CONTROL SYSTEM-HIGH FLOW	1	80-6013
27	ASTRO 2 GPS (RAVEN)	1	80-6014

WETBLADE™ SYSTEM MOUNT - FLEXWING, 15'/10'



REF#	PARTS DESCRIPTION	REQ	PART #
1	3/8 FLAT WASHER GR5	16	11-0009
2	1/2 LOCK WASHER GR5	8	11-0011
3	5/8 SAE LOCK WASHER GR8	4	11-0012
4	1/2 SAE FLAT WASHER GR8	8	11-0042
5	5/8 X 2 NC HEX CAPSCREW GR5	4	11-0523
6	3/8 X 1-1/4 NC HEX CAPSCREW GR5	8	11-0533

REF#	PARTS DESCRIPTION	REQ	PART #
7	1/2 X 1 NC HEX CAPSCREW GR5	8	11-0569
8	3/8 NC NYLOCK NUT GR5	8	11-1024
9	5/8 NC NYLOCK NUT GR5	4	11-1025
10	15' FLEXWING CHEMICAL BRACKET	2	80-3527
11	WETBLADE MOUNT BRACKET, FLXWING	2	90-6867

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Diamond MOWERS™

100% SATISFACTION GUARANTEE
★ GET IT, LOVE IT, *or* LEAVE IT! ★

72-HOUR PARTS SHIPPING GUARANTEE