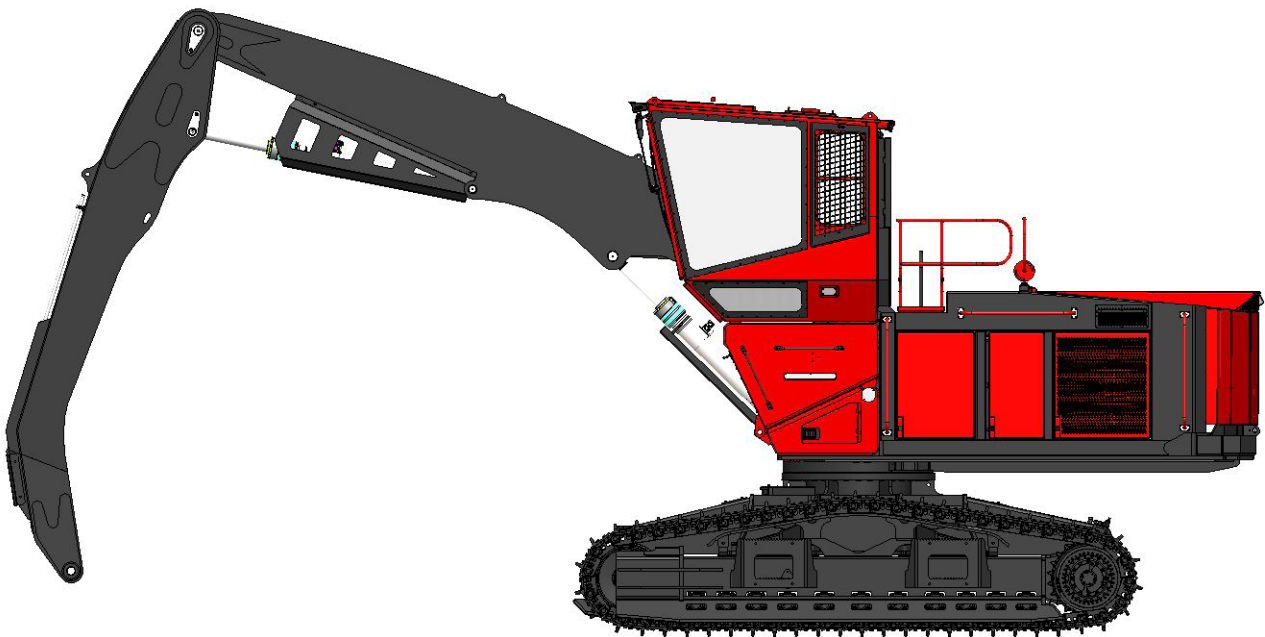


SECTION LLB-1

LOG LOADER BOOM ASSEMBLY AND INSTALLATION



This is a detailed exploded view diagram of a mechanical assembly, likely a vehicle chassis or a large machine frame. The diagram shows the main structural components and their associated sub-assemblies, with each part labeled with a circled number. The main frame (1) is the central longitudinal beam. At the front (top left), there are suspension components including a control arm (2), a shock absorber (3), and a steering knuckle (4). The rear (bottom left) shows a similar suspension assembly. The top of the frame features a series of longitudinal rails (24) and a cross-member (25). The bottom of the frame has a series of cross-members (26, 27, 28) and a series of longitudinal rails (29). The diagram also shows various fasteners, including bolts (5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43) and nuts (44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100). The diagram is a technical drawing with clear lines and no shading.

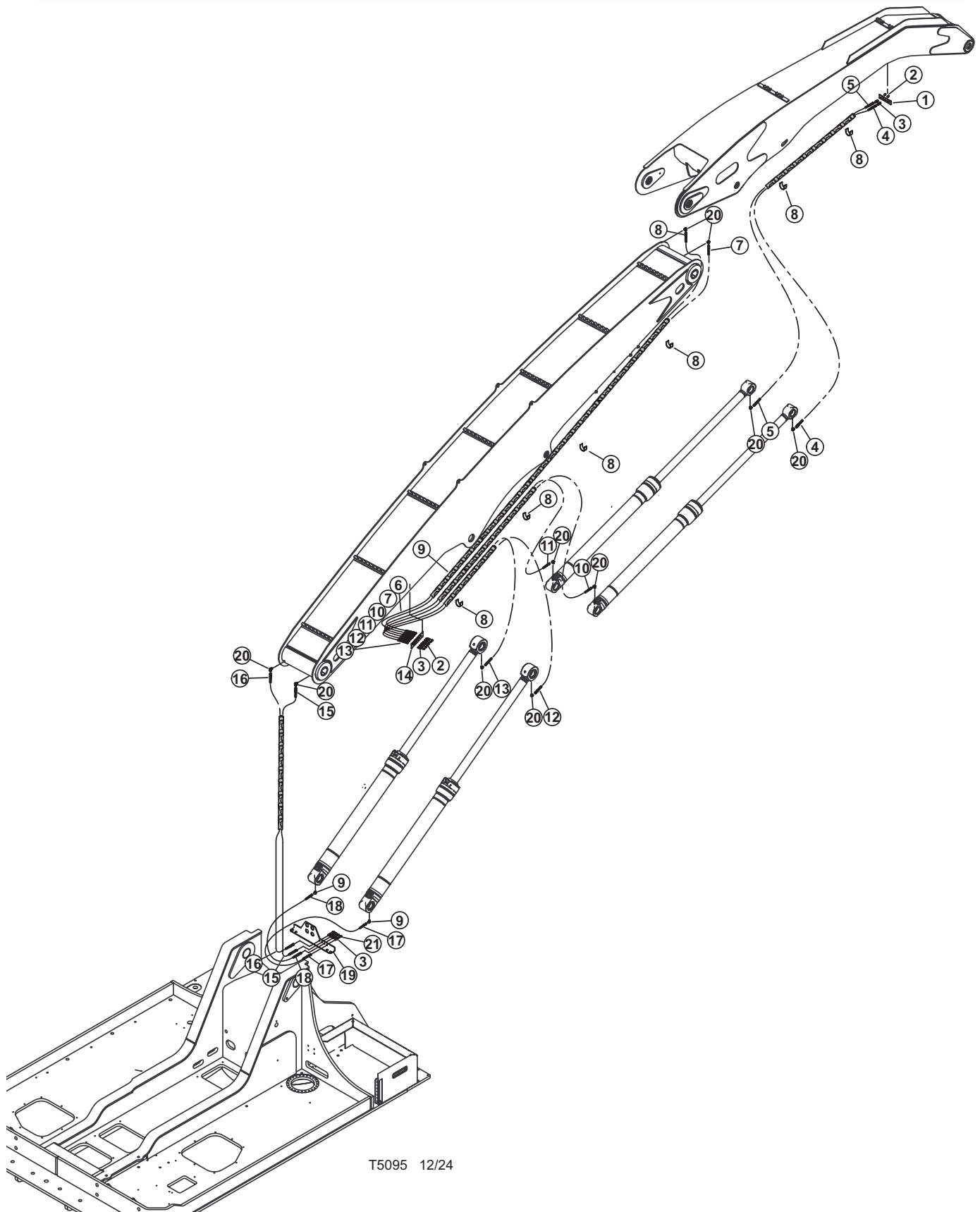
LOG LOADER BOOM ASSEMBLY AND INSTALLATION

MILL YARD BOOM MAIN AND STICK ASSEMBLY

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	663040	1	WELDMENT, MAIN BOOM - LL	
2	489280	4	BUSHING, 5.00" OD x 4.00" ID X 5.00" L	
3	57601	4	FLANGE, BLOCK ELBOW W184-16-16U CODE 62	
4	62190	2	PIN, MAIN	
5	62488	4	BUSHING, 4.5"X4.0"X3.19 LG	
6	62387	1	PIN, MIAN CYLINDER	
7	10841	6	BOLT - .75" X 3.5"	
8	15550	6	WASHER, FLAT SAE - .75"	
9	18570	6	WASHER, PIN RETAINING	
10	48771	2	WASHER, 6.00 OD X 2.13 ID DISHED	
11	10728	2	NUT, NYLOCK - 2" (ZINC PLATED)	
12	62545	1	MANIFOLD - MAIN/STICK CYLINDER	
13	57748	8	CABLE, CYL MANIFOLD MOUNT	
14	66277	4	STICK BOOM TUBELINES #12	
15	62592	1	PLATE, LOWER CYL GUARD - LL	
16	62593	4	PLATE, CYL CLAMP - LL	
17	62490	1	PIN, 4.25" X 25.25"	
18	62429	1	PIN ASSY, 90MM X 25.50"	
19	62491	1	PIN, 90MM X 27.5" - STK CYL STK BOOM	
20	11707	5	BOLT - .375" X 1"	
21	10802	5	WASHER, FLAT - .375"	
22	661100	1	STICK BOOM WELDMENT	
23	62600	4	MAIN BOOM TUBELINES #16	
24	62601	4	MAIN BOOM TUBELINES #12	
25	62562	6	CLAMP, SADDLE TOP - LL	
26	23262	36	BOLT - .625" X 3.25"	
27	10771	42	WASHER, SAE FLAT - .625"	
28	65579	1	ASSY, LOWER CYL GUARD - LL	
29	65578	1	PLATE, CYL GUARD SIDE - RH	
30	65577	1	PLATE, CYL GUARD SIDE - LH	
31	18933	20	BOLT - .5" X 1.75"	
32	10804	36	WASHER, FLAT - .5"	
33	484250	2	BUSHING, 3.5"X3.0"X 4.5"	
34	66280	1	PLATE, TUBELINE SHIELD	
35	19324	4	CLAMP, SADDLE TOP - .75" X .75"	
36	62779	1	RUBBER, DEBRIS FLAP-TAIL	
37	48663	1	BAR, DEBRIS FLAP HOLD-DOWN	
38	10773	6	BOLT - .625" X .5"	
39	65980	1	WELDMENT, MAIN CYLINDERS MAINIFOLD-LL	
40	10736	8	BOLT - .5" X 2"	
41	66552	8	BOLT - .5" X 1.125"	
42	66554	16	BOLT M12 65mm SHCS	
43	66374	4	PLATE, CYL STRAP - LL	

LOG LOADER SHOVEL BOOM ASSEMBLY AND INSTALLATION

MILL YARD BOOM GREASE LINES ASSEMBLY AND INSTALLATION



T5095 12/24

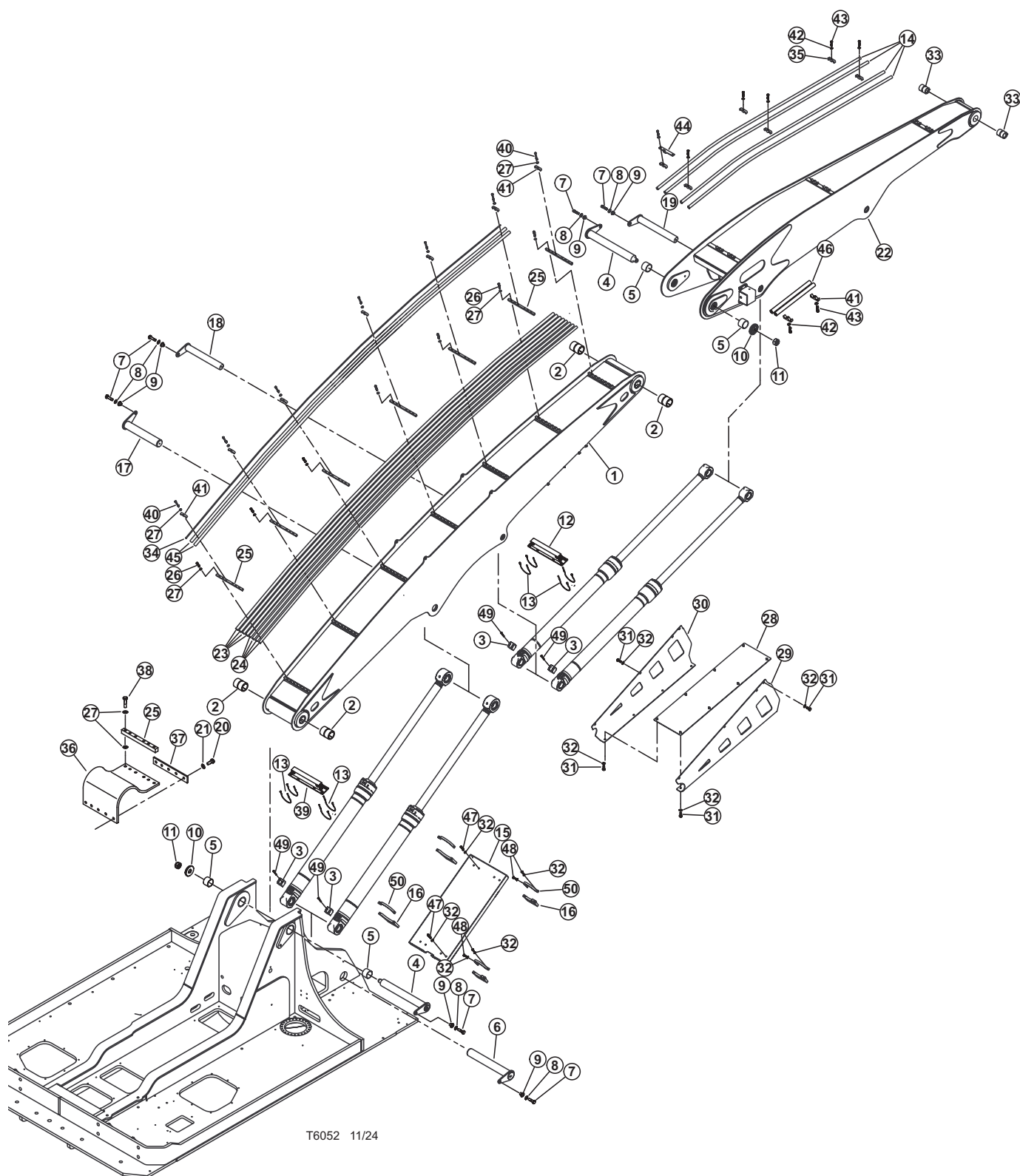
LOG LOADER SHOVEL BOOM ASSEMBLY AND INSTALLATION

MILL YARD BOOM GREASE LINES ASSEMBLY AND INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	60081	1	STICK BOOM GREASE FITTING PLATE - (WELD ON)	
2	10704	8	FITTING, GREASE - .125 NPT - STR	
3	15658	12	CONNECTOR, STR BULKHEAD - 2239-2-4S	
4	680110 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD120 02-02PS-04JS-W)(STICK CYL ROD TO GREASE PLATE-RH)	
5	680110 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD120 02-02PS-04JS-W)(STICK CYL ROD TO GREASE PLATE-LH)	
6	680080 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD280 02-02PS-04JS-W)(MAIN / STICK PIN TO GREASE PLATE-RH)	
7	680080 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD280 02-02PS-04JS-W)(MAIN / STICK PIN TO GREASE PLATE-LH)	
8	(CALL)	6	GREASE PLATE HOOP - (WELD ON)	
19	20810	AR	SLEEVE, PROTECTIVE HOSE - 0.75"	
10	680090 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD163 02-02PS-04JS-W)(STICK CYL BASE TO GREASE PLATE-RH)	
11	680090 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD163 02-02PS-04JS-W)(STICK CYL BASE TO GREASE PLATE-LH)	
12	680100 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD95 02-02PS-04JS-W)(MAIN CYL ROD TO GREASE PLATE-RH)	
13	680100 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD95 02-02PS-04JS-W)(MAIN CYL ROD TO GREASE PLATE-LH)	
14	(CALL)	1	MAIN BOOM GREASE FITTING PLATE - (WELD ON)	
15	680060 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD75 02-02PB-04JS-W)(MAIN BOOM BASE PIN TO BULKHEAD PLATE - RH)	
16	680060 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD75 02-02PB-04JS-W)(MAIN BOOM BASE PIN TO BULKHEAD PLATE - LH)	
17	680070 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD46 02-02PS-04JS-W)(MAIN CYL BASE TO BULKHEAD PLATE-RH)	
18	680070 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD46 02-02PS-04JS-W)(MAIN CYL BASE TO BULKHEAD PLATE-LH)	
19	62567	1	PLATE, DUAL #20 BH MT	
20	22281	12	ELBOW, 90 - 5546132	
21	59133	4	ZERK, GREASE - 1/8-27 NPTF, 45	

LOG LOADER BOOM ASSEMBLY AND INSTALLATION

LIVE HEEL MAIN AND STICK BOOM ASSEMBLY



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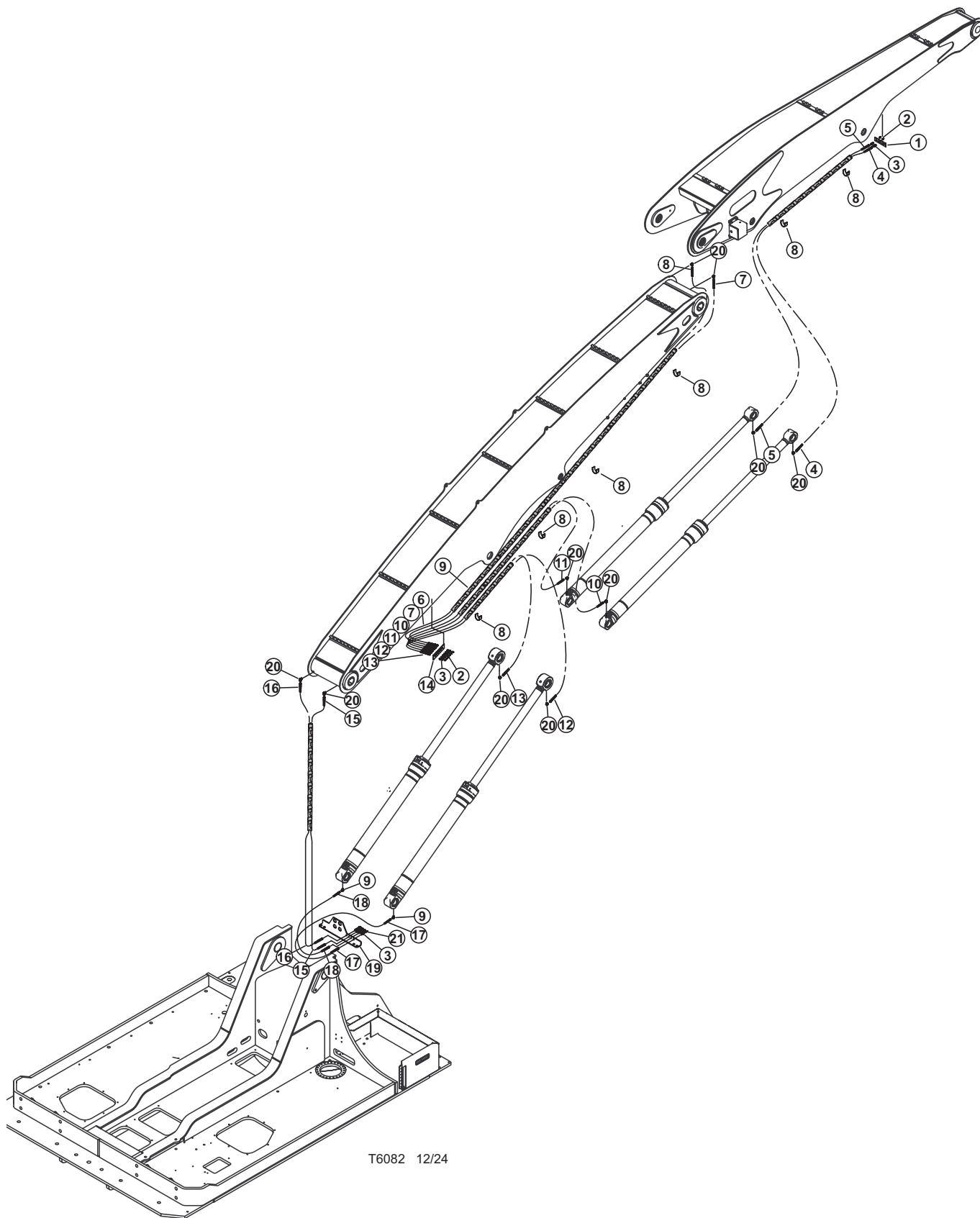
LOG LOADER BOOM ASSEMBLY AND INSTALLATION

LIVE HEEL MAIN AND STICK BOOM ASSEMBLY

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	663040	1	WELDMENT, MAIN BOOM - LL	
2	489280	4	BUSHING, 5.00" OD x 4.00" ID X 5.00" L	
3	57601	4	FLANGE, BLOCK ELBOW W184-16-16U CODE 62	
4	62190	2	PIN, MAIN	
5	62488	4	BUSHING, 4.5"X4.0"X3.19 LG	
6	62387	1	PIN, MIAN CYLINDER	
7	10841	6	BOLT - .75" X 3.5"	
8	15550	6	WASHER, FLAT SAE - .75"	
9	18570	6	WASHER, PIN RETAINING	
10	48771	2	WASHER, 6.00 OD X 2.13 ID DISHED	
11	10728	2	NUT, NYLOCK - 2" (ZINC PLATED)	
12	62545	1	MANIFOLD - MAIN/STICK CYLINDER	
13	57748	8	CABLE, CYL MANIFOLD MOUNT	
14	62637	4	TUBELINE, LL STICK .75" X 111.0"	
15	62592	1	PLATE, LOWER CYL GUARD - LL	
16	62593	4	PLATE, CYL CLAMP - LL	
17	62490	1	PIN, 4.25" X 25.25"	
18	62429	1	PIN ASSY, 90MM X 25.50"	
19	62491	1	PIN, 90MM X 27.5" - STK CYL STK BOOM	
20	11707	5	BOLT - .375" X 1"	
21	10802	5	WASHER, FLAT - .375"	
22	62870	1	WELDMENT, STICK BOOM - LL HEEL MOUNT	
23	62600	4	MAIN BOOM TUBELINES #16	
24	62601	4	MAIN BOOM TUBELINES #12	
25	62562	6	CLAMP, SADDLE TOP - LL	
26	23262	30	BOLT - .625" X 3.25"	
27	10771	36	WASHER, SAE FLAT - .625"	
28	65579	1	ASSY, LOWER CYL GUARD - LL	
29	65578	1	PLATE, CYL GUARD SIDE - RH	
30	65577	1	PLATE, CYL GUARD SIDE - LH	
31	18933	20	BOLT - .5" X 1.75"	
32	10804	36	WASHER, FLAT - .5"	
33	484250	2	BUSHING, 3.5"X3.0"X 4.5"	
34	66570	1	TUBELINE, LIGHT WIRE	
35	19324	4	CLAMP, SADDLE TOP - .75" X .75"	
36	62779	1	RUBBER, DEBRIS FLAP-TAIL	
37	48663	1	BAR, DEBRIS FLAP HOLD-DOWN	
38	10773	6	BOLT - .625" X .5"	
39	65980	1	WELDMENT, MAIN CYLINDERS MAINIFOLD-LL	
40	66529	6	BOLT - .625" X 5.25"	
41	12447	8	CLAMP, SADDLE TOP TUBE - 1" & 1"	
42	66463	8	WASHER, FLAT - .625" - 1.3" OD	
43	15517	8	BOLT - .625" X 2.5"	
44	66571	1	BRACKET	
45	66450	2	TUBELINE, -16 X 23'-2"L, BOOM - LL	
46	19497	2	TUBELINE - 1" X 24"	
47	10736	8	BOLT - .5" X 2"	
48	66552	8	BOLT - .5" X 1.125"	
49	66554	16	BOLT M12 65mm SHCS	
50	66374	4	PLATE, CYL STRAP - LL	

LOG LOADER SHOVEL BOOM ASSEMBLY AND INSTALLATION

LIVE HEEL BOOM GREASE LINES ASSEMBLY AND INSTALLATION



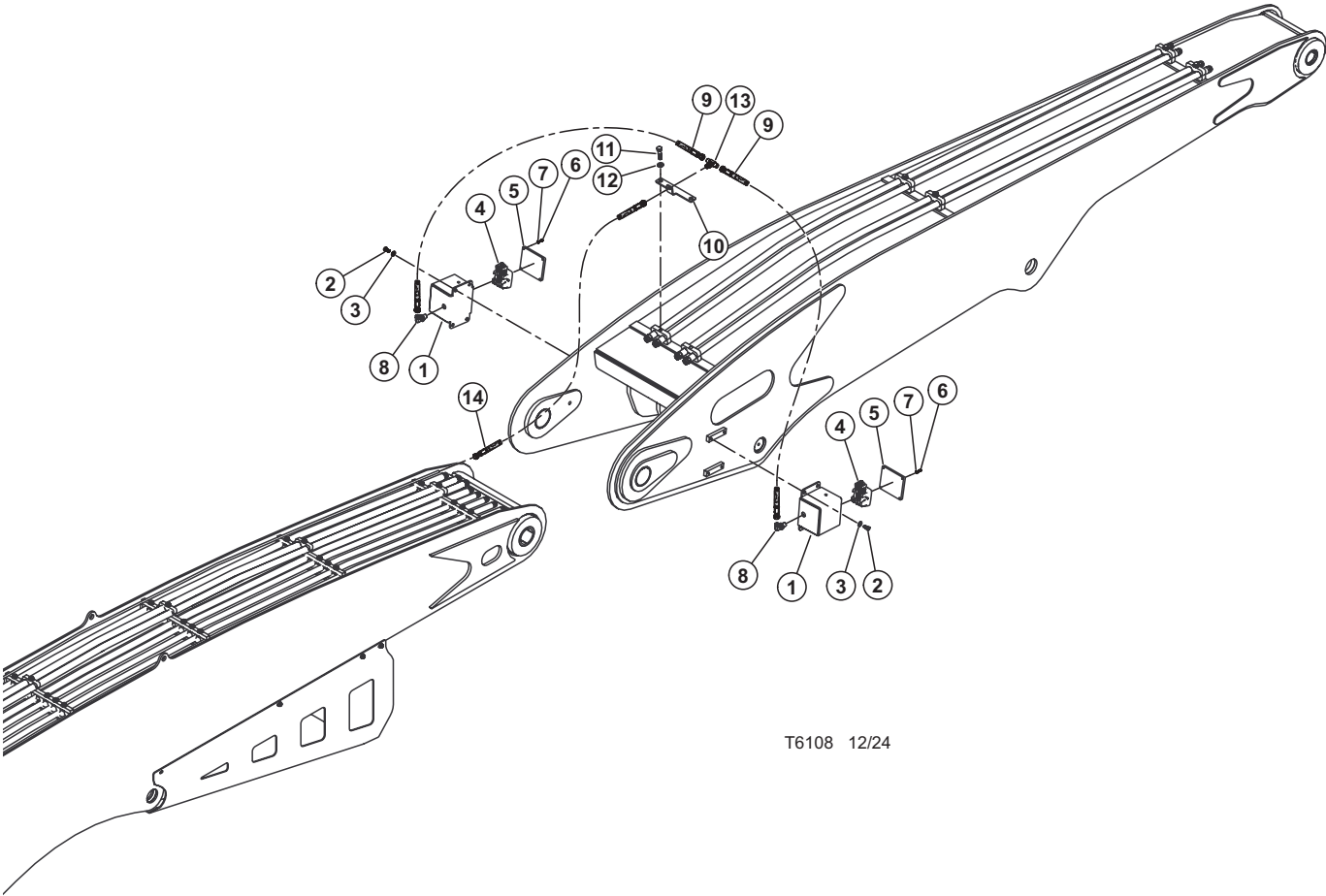
T6082 12/24

LOG LOADER SHOVEL BOOM ASSEMBLY AND INSTALLATION

LIVE HEEL BOOM GREASE LINES ASSEMBLY AND INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	60081	1	STICK BOOM GREASE FITTING PLATE - (WELD ON)	
2	10704	8	FITTING, GREASE - .125 NPT - STR	
3	15658	12	CONNECTOR, STR BULKHEAD - 2239-2-4S	
4	680110 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD120 02-02PS-04JS-W)(STICK CYL ROD TO GREASE PLATE-RH)	
5	680110 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD120 02-02PS-04JS-W)(STICK CYL ROD TO GREASE PLATE-LH)	
6	680080 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD280 02-02PS-04JS-W)(MAIN / STICK PIN TO GREASE PLATE-RH)	
7	680080 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD280 02-02PS-04JS-W)(MAIN / STICK PIN TO GREASE PLATE-LH)	
8	(CALL)	6	GREASE PLATE HOOP - (WELD ON)	
19	20810	AR	SLEEVE, PROTECTIVE HOSE - 0.75"	
10	680090 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD163 02-02PS-04JS-W)(STICK CYL BASE TO GREASE PLATE-RH)	
11	680090 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD163 02-02PS-04JS-W)(STICK CYL BASE TO GREASE PLATE-LH)	
12	680100 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD95 02-02PS-04JS-W)(MAIN CYL ROD TO GREASE PLATE-RH)	
13	680100 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD95 02-02PS-04JS-W)(MAIN CYL ROD TO GREASE PLATE-LH)	
14	(CALL)	1	MAIN BOOM GREASE FITTING PLATE - (WELD ON)	
15	680060 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD75 02-02PB-04JS-W)(MAIN BOOM BASE PIN TO BULKHEAD PLATE - RH)	
16	680060 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD75 02-02PB-04JS-W)(MAIN BOOM BASE PIN TO BULKHEAD PLATE - LH)	
17	680070 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD46 02-02PS-04JS-W)(MAIN CYL BASE TO BULKHEAD PLATE-RH)	
18	680070 (66355 - KIT)	1	HOSE ASSY - (PART # HLBD46 02-02PS-04JS-W)(MAIN CYL BASE TO BULKHEAD PLATE-LH)	
19	62567	1	PLATE, DUAL #20 BH MT	
20	22281	12	ELBOW, 90 - 5546132	
21	59133	4	ZERK, GREASE - 1/8-27 NPTF, 45	

LOG LOADER SHOVEL BOOM ASSEMBLY AND INSTALLATION
ARM LIGHT ASSEMBLY AND INSTALLATION



T6108 12/24

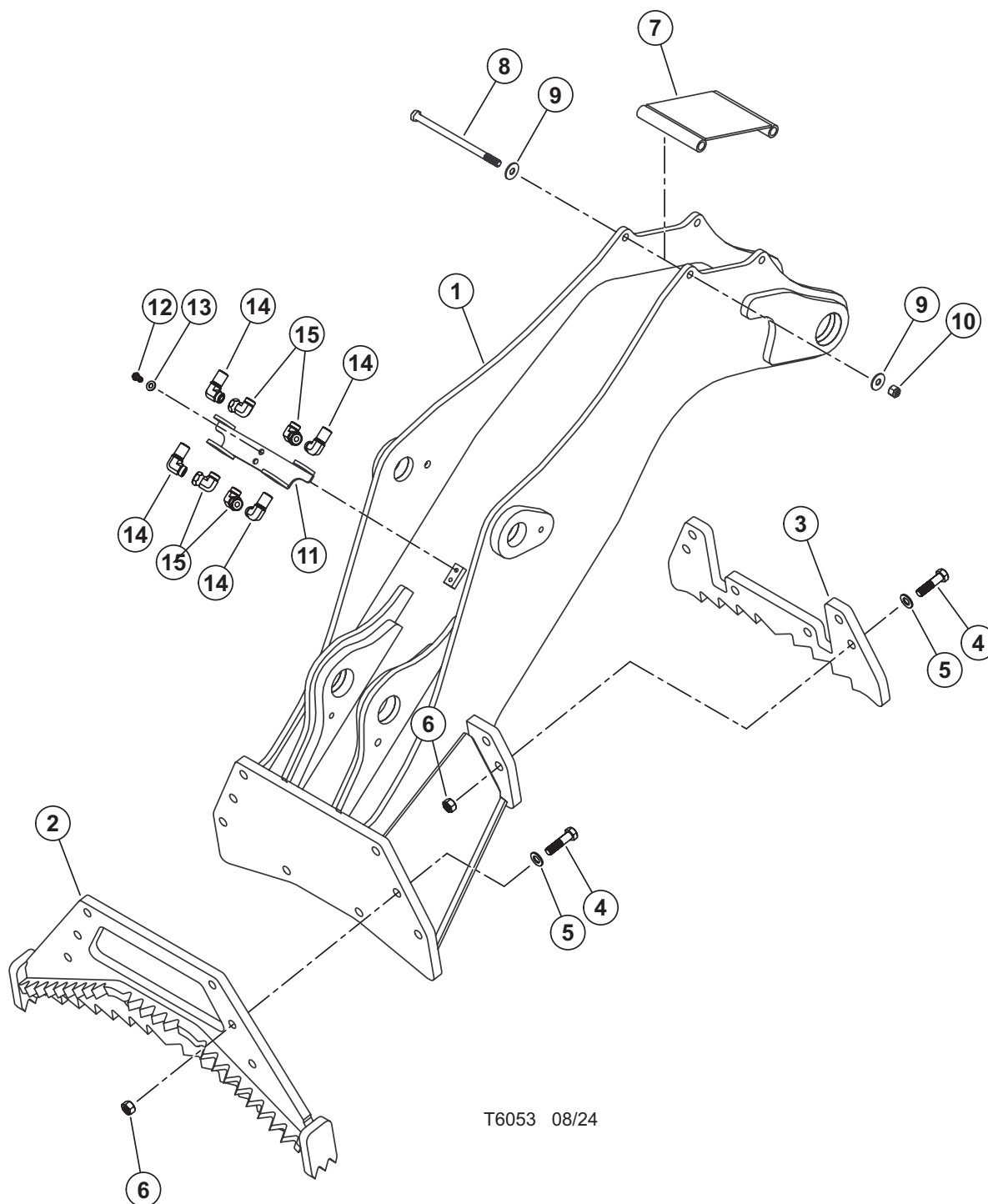
LOG LOADER SHOVEL BOOM ASSEMBLY AND INSTALLATION

ARM LIGHT ASSEMBLY AND INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	66560	2	BRACKET, LIGHT	
2	10783	8	BOLT - .5" X 1"	
3	10804	8	WASHER, FLAT - .5"	
4	53208	2	LIGHT	
5	53081	2	LEXAN LIGHT COVER	
6	15576	8	.25" X 1' BOLT	
7	10757	8	WASHER, FLAT - .25"	
8	24187	2	ELBOW, 90 BULKHEAD - 855BH-TT-08	
9	66599 (KIT - 66365)	2	HOSE, ELECTRIC, 378TC30.5 06-06OS-06OS-W	
10	66571	1	BRACKET, PLATE	
11	15517	2	BOLT - .625" X 2.5"	
12	66463	2	WASHER, FLAT - .625" - 1.3" OD	
13	52903	1	TEE, BULKHEAD BRANCH - 8	
14	66604 (KIT - 66363)	1	HOSE, ELECTRIC, 387TC53 06-06OS-06OS-W	

LOG LOADER BOOM ASSEMBLY AND INSTALLATION

LIVE HEEL COMPONENTS



T6053 08/24

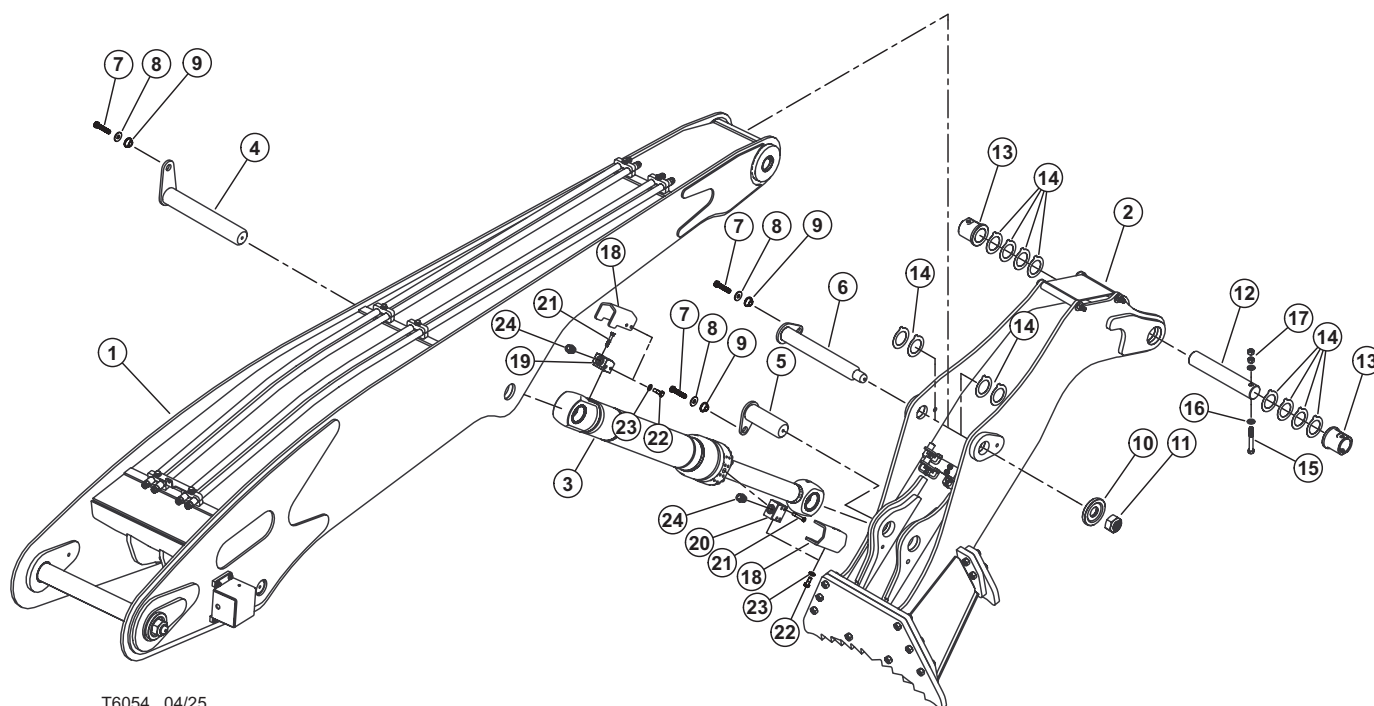
LOG LOADER BOOM ASSEMBLY AND INSTALLATION

LIVE HEEL COMPONENTS

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	663800	1	HEEL, WELDMENT - LL	
2	2400410	1	BUCKING BAR G, HEEL, REAR, 50"	
3	663960	1	BRACKET, HEEL-RACK MID TEETH - LL	
4	66406	14	BOLT - .875" X 3.5"	
5	10718	14	WASHER, SAE FLAT - .875"	
6	66395	14	NUT, HEX - .875"	
7	66399	1	GUARD, GRAPPLE HOSE	
8	66407	2	BOLT - .75" X 13"	
9	15550	4	WASHER, SAE FLAT - .75"	
10	10817	2	NUT, LOCK - .75"	
11	66402	1	BRACKET, HEEL BULKHEAD - LL	
12	10783	2	BOLT - .5" X 1"	
13	10804	2	WASHER, FLAT - .5"	
14	24188	4	ELBOW, 90 BULKHEAD - 855BH-TT-12	
15	17670	4	ELBOW, 90 SWIVEL - FF2098T-1212S	

LOG LOADER BOOM ASSEMBLY AND INSTALLATION

LIVE HEEL INSTALLATION



T6054 04/25

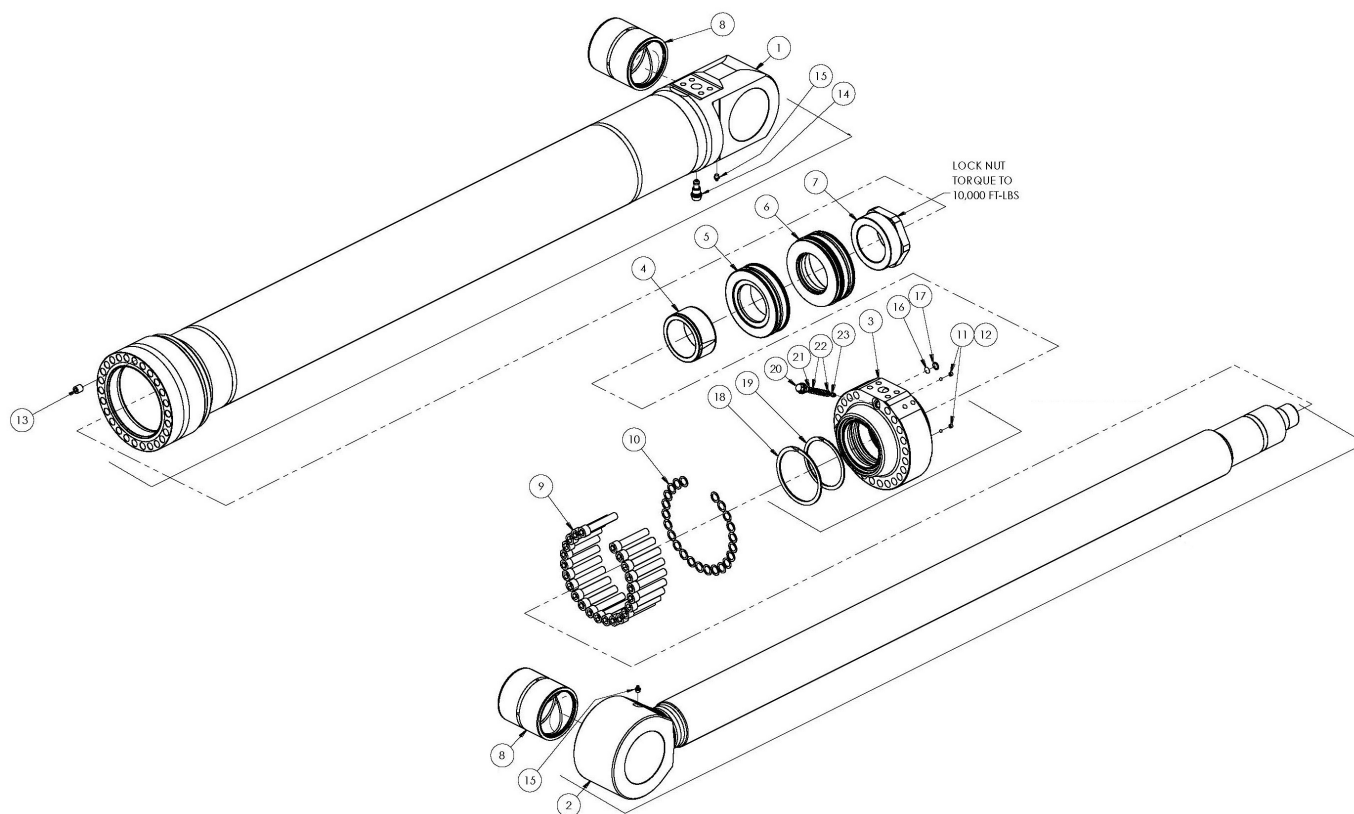
LOG LOADER BOOM ASSEMBLY AND INSTALLATION

LIVE HEEL INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	2257700	1	ARM U., TN785	
2	2257800	1	HEEL U., TN785	
3	62295	1	CYLINDER, HEEL BOOM (150MM BORE - 40" ST	
4	62493	1	PIN ASSEMBLY	
5	62396	1	PIN ASSEMBLY	
6	62393	1	PIN ASSEMBLY	
7	10841	3	BOLT - .75" X 3.5"	
8	15550	3	WASHER, SAE FLAT - .75"	
9	18570	3	WASHER, PIN RETAINING	
10	48771	1	WASHER - 6 OD x 2.13 ID	
11	10728	1	NUT, NYLOCK - 2" (ZINC PLATED)	
12	66412	1	PIN, DIA 3" X 17.375" L	
13	66411	2	ADAPTER, ROTOBEC GRAPPLE	
14	66594	12	SPACER	
15	66414	2	BOLT - .75" X 5.5"	
16	66415	2	WASHER, FLAT -.75" - 1.5" O.D.	
17	10776	2	NUT, HEX - .75"	
18	58232	2	GUARD, PORT BLOCK TOOL TILT CYL.	
19	57601	1	FLANGE, BLOCK ELBOW W184-16-16U CODE 62	
20	58231	1	MANIFOLD, PORT BLOCK - TOOL TILT CYL.	
21	66554	8	BOLT, SOCKET HEAD - M12-1.75 X 65 12.9	
22	10783	8	BOLT - .5" X 1"	
23	10804	8	WASHER, FLAT - .5"	
24	15225	2	CONNECTOR, STR - FF1852T-1616S	

LOG LOADER SHOVEL BOOM ASSEMBLY AND INSTALLATION

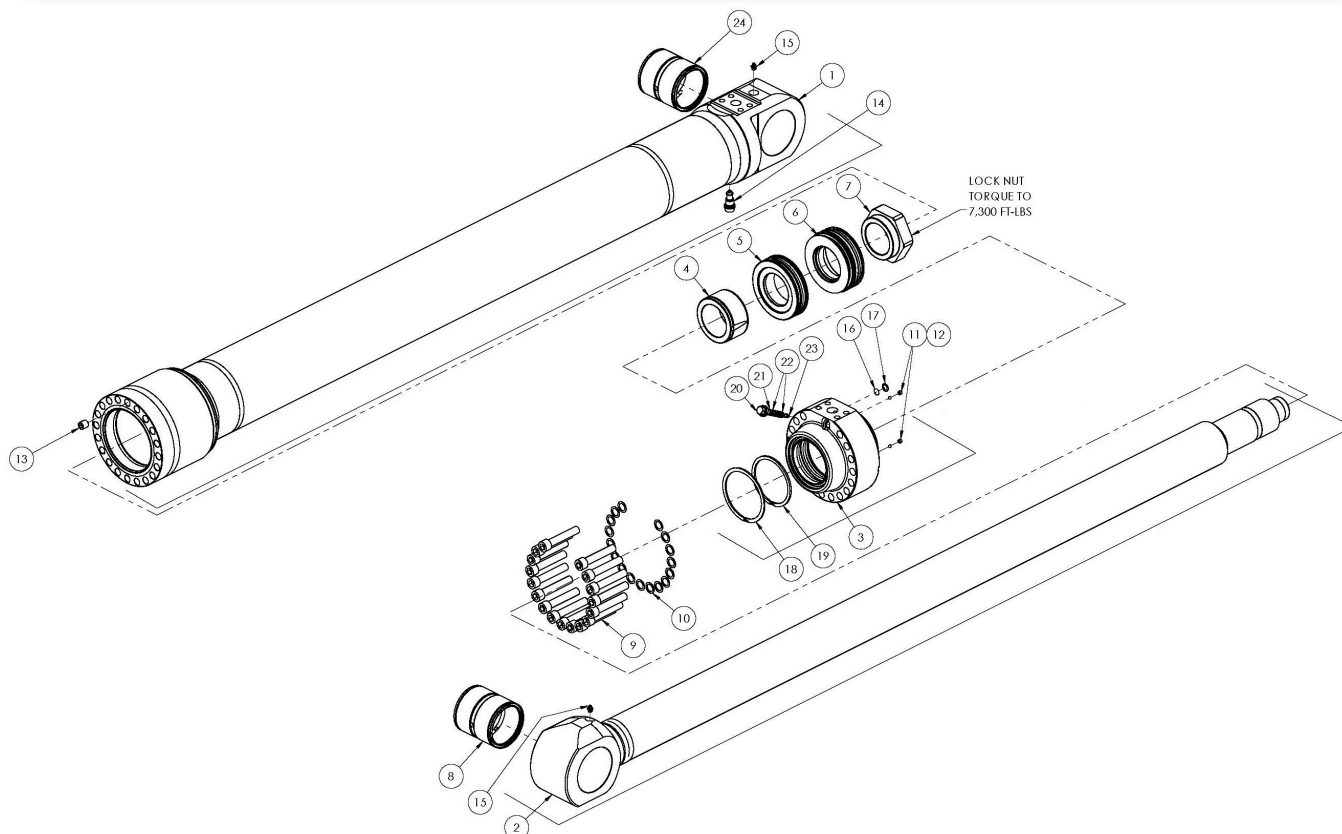
MILL YARD MAIN BOOM CYLINDER



REF	PART #	QTY	DESCRIPTION	SEE SECTION
	62370	1	CYLINDER, MAIN BOOM - LOG LOADER	
1	TPM165200	1	BARREL	
2	TPM165205	8	ROD	
3	TPM165108	1	GLAND	
4	TP650117	1	CUSHION SLEEVE	
5	TP650109	1	FRONT PISTON	
6	TP650110	1	BACK PISTON	
7	LNUT M90	1	LOCKNUT	
8	BB425500	2	BUSHING	
9	SHCS M16 X 90	23	SHCS METRIC G12.9	
10	HD002049	23	M16 FLAT WASHER	
11	SHSS 05-18-0.250	2	SET SCREW	
12	BALL M6	2	STEEL BALL 6mm	
13	SHSS M16 X 16	2	SET SCREW	
14	IRAB.M18.0R.420	1	PRESSURE RELIEF w/ANTI CAV	
15	GREASE 1/8" STR	2	GREASE FITTING	
16	TL-C5-190-30	1	TEMPERATURE LABEL	
17	N1470 - 112	1	O-RING	
18	WHM-525	1	SNAP RING	
19	WHM-475	1	SNAP RING	
20	HD002308	1	PLUG, RELIEF THREADED	
21	0125755	1	DISC SPRING	
22	0123995	8	DISC SPRING	
23	HD002306	1	HIGH PRESSURE SPOOL	
24	SKM16511002	1	SEAL KIT	

LOG LOADER SHOVEL BOOM ASSEMBLY AND INSTALLATION

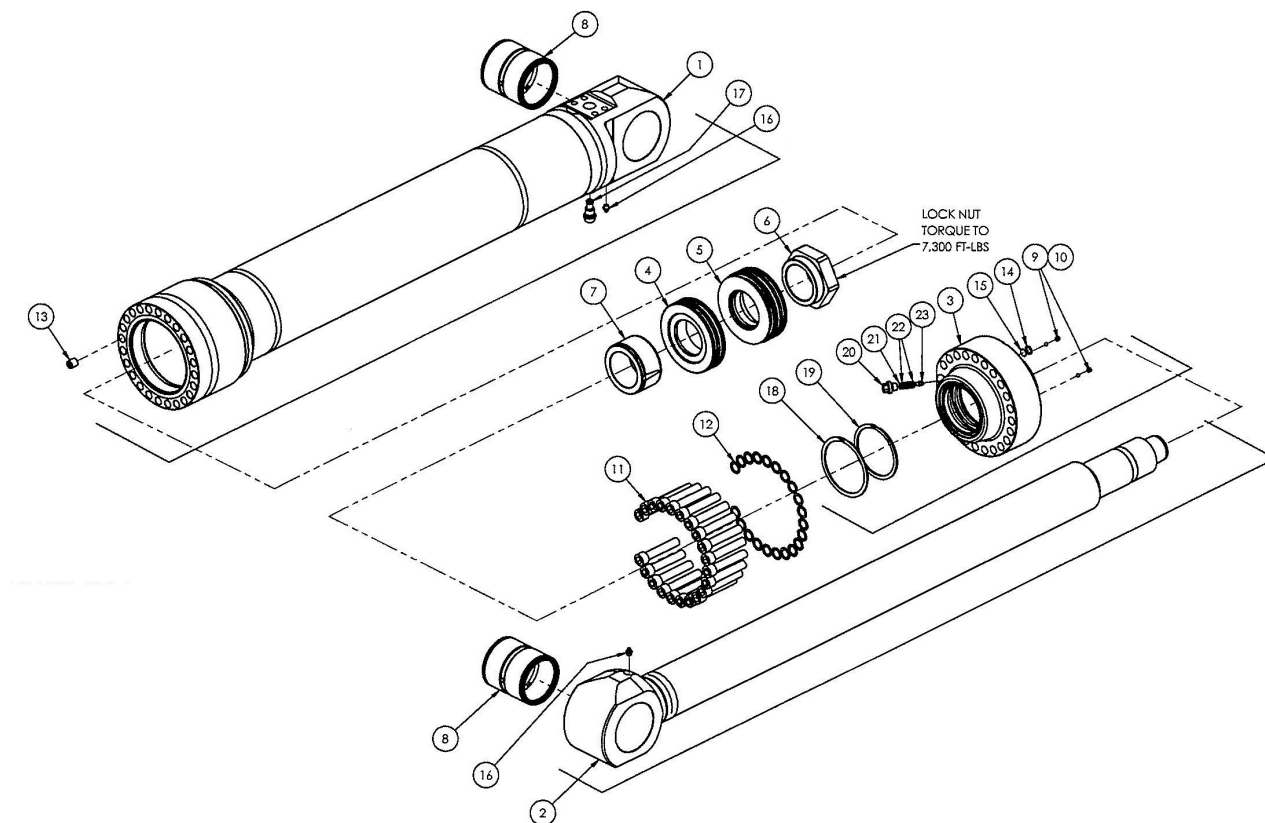
MILL YARD STICK BOOM CYLINDER



REF	PART #	QTY	DESCRIPTION	SEE SECTION
	62369	1	CYLINDER, STICK BOOM - LOG LOADER	
1	TPM140300	1	BARREL	
2	TPM140305	8	ROD	
3	TPM140308	1	GLAND	
4	TIM150117	1	CUSHION SLEEVE	
5	TPM140309	1	FRONT PISTON	
6	TPM140210	1	BACK PISTON	
7	LNUT M75	1	LOCKNUT	
8	BBM090100	2	BUSHING	
9	SHCS M16 X 90	23	SHCS METRIC G12.9	
10	HD002049	23	M16 FLAT WASHER	
11	SHSS 05-18-0.250	2	SET SCREW	
12	BALL M6	2	STEEL BALL 6mm	
13	SHSS M16 X 16	2	SET SCREW	
14	IRAB.M18.0R.420	1	PRESSURE RELIEF w/ANTI CAV	
15	GREASE 1/8" STR	2	GREASE FITTING	
16	TL-C5-190-30	1	TEMPERATURE LABEL	
17	N1470 - 112	1	O-RING	
18	WHM-475	1	SNAP RING	
19	DNH-112	1	SNAP RING	
20	HD002308	1	PLUG, RELIEF THREADED	
21	0125755	1	DISC SPRING	
22	0123995	8	DISC SPRING	
23	HD002306	1	HIGH PRESSURE SPOOL	
24	SKM14010000	1	SEAL KIT	

LOG LOADER SHOVEL BOOM ASSEMBLY AND INSTALLATION

MILL YARD HEEL BOOM CYLINDER



REF	PART #	QTY	DESCRIPTION	SEE SECTION
	62295	1	CYLINDER, HEEL BOOM (150MM BORE - 40" ST	
1	TPM150400	1	BARREL	
2	TPM150405	8	ROD	
3	TIM150108	1	GLAND	
4	TIM150109	1	FRONT PISTON	
5	TIM150110	1	BACK PISTON	
6	LNUT M75	1	LOCKNUT	
7	TIM150117	1	CUSHION SLEEVE	
8	BBM090100	2	BUSHING	
9	SHSS 05-18-0.250	2	SET SCREW	
10	BALL M6	2	STEEL BALL	
11	SHCS M16 X 90	21	SHCS METRIC G12.9	
12	HD002049	21	M16 FLAT WASHER	
13	SHSS M16 X 16	1	SET SCREW	
14	N1470 - 112	1	O-RING	
15	TL-C5-190-30	1	TEMPERATURE LABEL	
16	GREASE 1/8" STR	2	GREASE FITTING	
17	393000U020	1	PRESSURE RELIEF w/ ANTI CAV	
18	WHM-475	1	SNAP RING	
19	DNH-112	1	SNAP RING	
20	HD002308	1	PLUG, RELIEF THREADED	
21	0125755	1	DISC SPRING	
22	0123995	8	DISC SPRING	
23	HD002306	1	HIGH PRESSURE SPOOL	
24	SKM15010002	1	SEAL KIT	

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