INDUSTRIAL PRODUCTS

Log Infeed Deck

Safety, Setup, Operation, Maintenance & Parts Manual

LD2 12/20-2/3S LD2 12/20-2/3SR rev. B1.02



Safety is our #1 concern! Read and understand all safety information and instructions before operating, setting up or maintaining this machine.

August 2009

Form #1025

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SECTION 1 SAFETY

1.1 Safety Symbols

The following symbols and signal words call your attention to instructions concerning your personal safety. Be sure to observe and follow these instructions.



DANGER! indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING! suggests a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION! refers to potentially hazardous situations which, if not avoided, may result in minor or moderate injury or damage to equipment.



IMPORTANT! indicates vital information.

NOTE: gives helpful information.

Warning stripes are placed on areas where a single decal would be insufficient. To avoid serious injury, keep out of the path of any equipment marked with warning stripes.

1.2 Safety Instructions

NOTE: ONLY safety instructions regarding personal injury are listed in this section. Caution statements regarding only equipment damage appear where applicable throughout the manual.

OBSERVE SAFETY INSTRUCTIONS



IMPORTANT! Read the entire Operator's Manual before operating the log infeed deck. Take notice of all safety warnings throughout this manual and those posted on the machine. Keep this manual with this machine at all times, regardless of ownership.

Also read any additional manufacturer's manuals and observe any applicable safety instructions including dangers, warnings, and cautions.

Only persons who have read and understood the entire operator's manual should operate the log deck. The log deck is not intended for use by or around children.

IMPORTANT! It is always the owner's responsibility to comply with all applicable federal, state and local laws, rules and regulations regarding the ownership, operation of your Wood-Mizer products. All Wood-Mizer product owners are encouraged to become thoroughly familiar with these applicable laws and comply with them fully while using the machine.



KEEP LOG DECK AND AREA AROUND LOG DECK CLEAN



DANGER! Maintain a clean and clear path for all necessary movement around the machine and lumber stacking areas. Failure to do so will result in serious injury.

CAUTIONS FOR LOG DECK SETUP

WARNING! Securely fasten the feet of a log deck to the floor before operating the machine. Failure to do so may result in serious injury or death.

CHECK LOG DECK BEFORE OPERATION



DANGER! Make sure all guards and covers are in place and secured before operating the log deck. Failure to do so may result in serious injury.



CAUTION! Never drop logs onto the log deck from a height more than 6" (15 mm) when loading. Failure to do so may result in damage to the log deck.



KEEP PERSONS AWAY



WARNING! Keep all persons out of the path of moving equipment and logs while operating log deck. Failure to do so may result in serious injury or death.



KEEP HANDS AWAY





DANGER! Always be aware of and take proper protective measures against rotating shafts, pulleys, fans, etc. Always stay a safe distance from rotating members and make sure that loose clothing or long hair does not engage rotating members resulting in possible injury.

WARNING! Before performing service near moving parts such as blades, pulleys, motors, belts and chains, make sure the unit is not in use. If the unit is operated and moving parts activated, serious injury may result.

USE PROPER PROCEDURE WHEN CONDUCTING ELECTRICAL SAFETY CHECKS AND MAINTENANCE



DANGER! Make sure all electrical installation, service and/or maintenance work is performed by a qualified electrician and is in accordance with applicable electrical codes.

DANGER! Hazardous voltage inside the electric sawmill disconnect box, starter box, and at the motor can cause shock, burns, or death. Disconnect and lock out power supply before servicing! Keep all electrical component covers closed and securely fastened during mill operation.





WARNING! Consider all electrical circuits energized and dangerous.

WARNING! Never assume or take the word of another person that the power is off; check it out and lock it out.

WARNING! Do not wear rings, watches, or other jewelry while working around an open electrical circuit.

KEEP SAFETY LABELS IN GOOD CONDITION



IMPORTANT! Always be sure that all safety decals are clean and readable. Replace all damaged safety decals to prevent personal injury or damage to the equipment. Contact your local distributor, or call your Customer Service Representative to order more decals.



IMPORTANT! If replacing a component which has a safety decal affixed to it, make sure the new component also has the safety decal affixed.

SAFETY LABELS DESCRIPTION

See Table 1-1. Pictographic safety labels are shown in the table below.

TABELA 1-1

Decal View	Decal No.	Description
<u>i</u>	096317	Read thoroughly the operator's manual before operating the equipment. Observe instructions and safety rules when operating.
096317		

TABELA 1-1

CO 099220	099220	Close all guards and covers prior to starting the equipment.
→ •••••••••••••••••••••••••••••••••••	099221	Keep all persons a safe distance away from work area when operating the unit.
(3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	098177	Disconnect power supply before servicing.

TABELA 1-1

099540	099540	CAUTION! Gear danger – keep a safe distance away!
CE	P85070	CE safety certification

SECTION 2 GENERAL INFORMATION

2.1 Component Overview

With the Log Infeed Deck, you can load logs directly onto the sawmill bed. You can choose between the 12-Foot (LD2 12) and 20-Foot Log Infeed Decks (LD2 20) now available. The following manual will guide you in installation, operation, and alignment of the Log Infeed Deck.



WARNING! Keep all persons out of the path of moving equipment and logs while operating the Log Infeed Deck. Failure to do so may result in serious injury or death.

See Figure 2-1. The main components of the Log Infeed Deck are shown below.

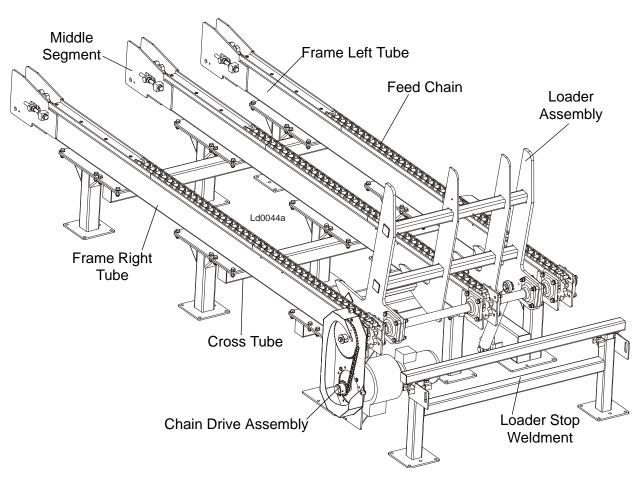


FIG. 2-1 LD2 12-3S

2.2 Overall Dimensions

See Figure 2-1. The overall dimensions of the LD2 2 12-2S Log Deck are shown below.

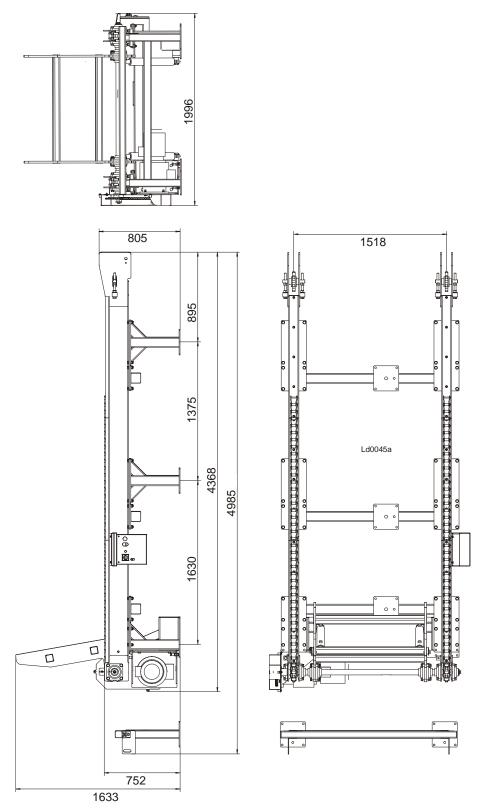


FIG. 2-1 LD2 12-2S LOG INFEED DECK

See Figure 2-2. The figure below shows overall dimensions of the LD2 20-2S Log Deck.

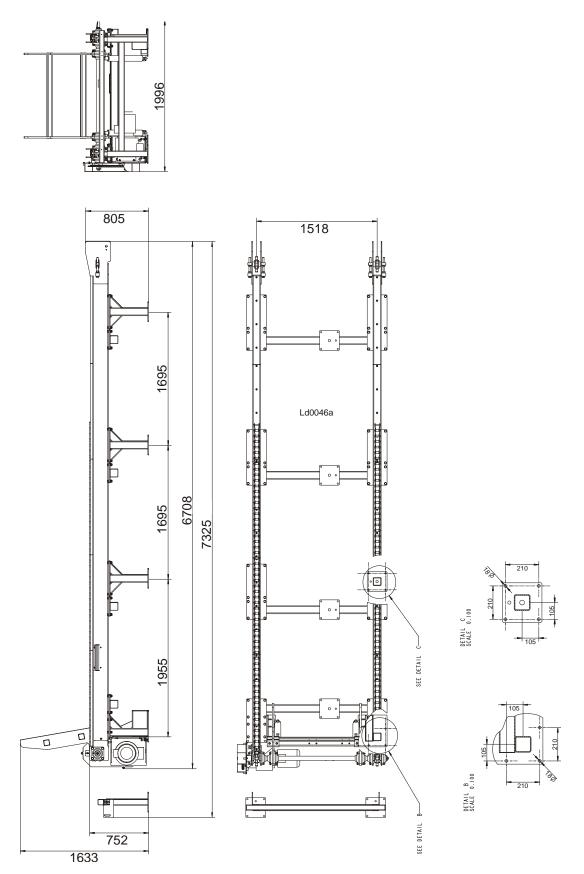


FIG. 2-2 LD2 20-2S LOG INFEED DECK

See Figure 2-3. The overall dimensions of the LD2 12-2SR Log Deck are shown below.

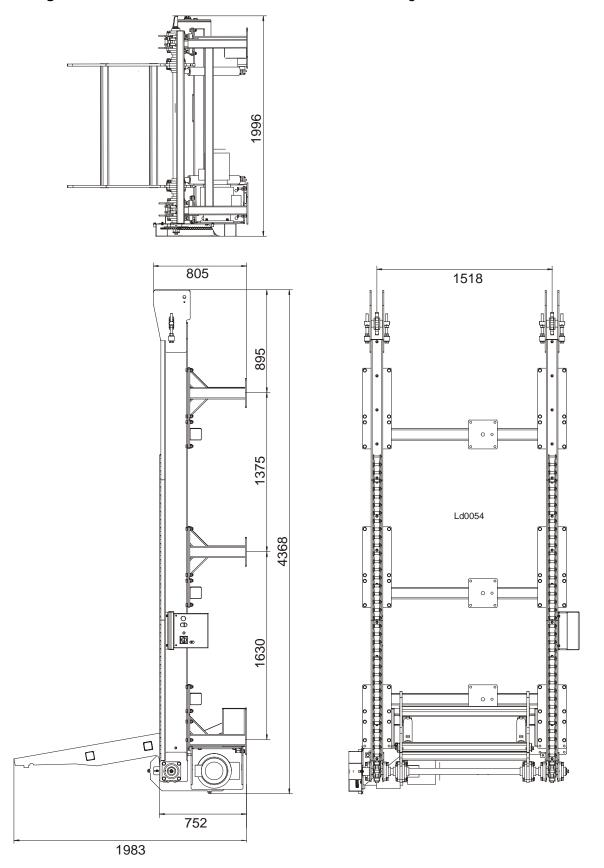


FIG. 2-3 LD2 12-2SR LOG INFEED DECK

See Figure 2-4. The figure below shows overall dimensions of the LD2 20-2SR Log Deck.

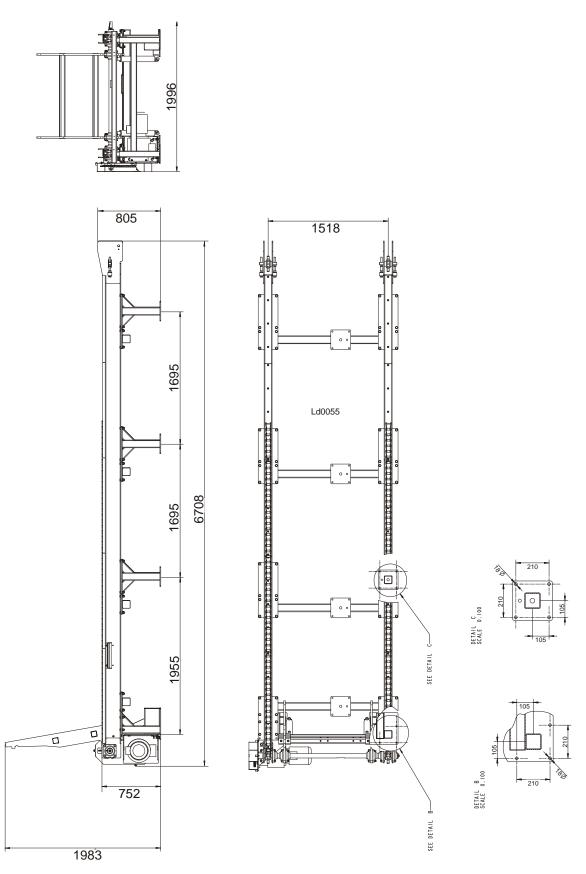


FIG. 2-4 LD2 20-2SR LOG INFEED DECK

See Figure 2-5. Weight are listed below.

Model	Weight
LD2 12	1200 kg

SECTION 3 SETUP & OPERATION

3.1 Operation (LT70HD Remote)



DANGER! Always be aware of and take proper protective measures against rotating shafts, pulleys, fans, etc. Always stay a safe distance from rotating members and make sure that loose clothing or long hair does not engage rotating members resulting in possible injury.



WARNING! Keep all persons out of the path of moving equipment and logs while operating log deck. Failure to do so may result in serious injury or death.



CAUTION! Never drop logs onto the log deck from a height more than 6" (15 mm) when loading. Failure to do so may result in damage to the log deck.

See Figure 3-1. Use the "HEAD/BED" button to activate the bed mode. To operate the drive chain use the chain switch. Turn the switch to the "R" position to move the log toward the sawmill bed, release the switch to stop the log. Turn.the switch to the "L" position to move the log backward. Press and hold the left joystic button. Move the right joystick right to move the log on the sawmills bed.

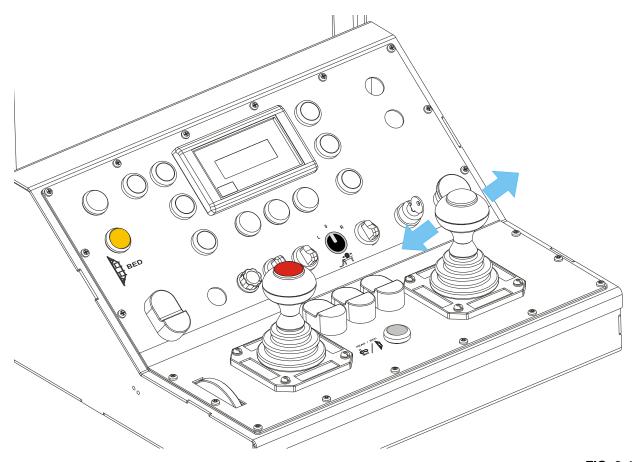


FIG. 3-1

3.2 Operation (LT300)



DANGER! Always be aware of and take proper protective measures against rotating shafts, pulleys, fans, etc. Always stay a safe distance from rotating members and make sure that loose clothing or long hair does not engage rotating members resulting in possible injury.



WARNING! Keep all persons out of the path of moving equipment and logs while operating log deck. Failure to do so may result in serious injury or death.



CAUTION! Never drop logs onto the log deck from a height more than 6" (15 mm) when loading. Failure to do so may result in damage to the log deck.

After the Log Infeed Deck is installed, you can start to operate the unit. Use the right joystick to control the log handling functions. Push the top button on the left joystick to change to bed mode. While in bed mode, push the joystick forward to lower the log loader, pull it back to raise the log loader.

See Figure 3-2.

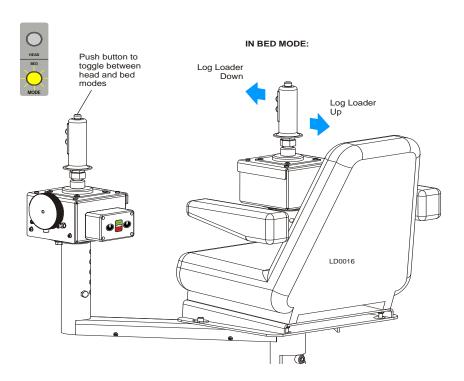


FIG. 3-2

To control the log deck hydraulic drive chain use the chain switch. Turn the switch right to move the log toward the sawmill bed, release the switch to stop the log. Turn the switch left to move the the log backward. **NOTE:** Push the START button located on the LT300 control box to turn on electrical power to the machine. Then push button control station activates the log deck feed chain only when the LT300 sawmill is powered on.

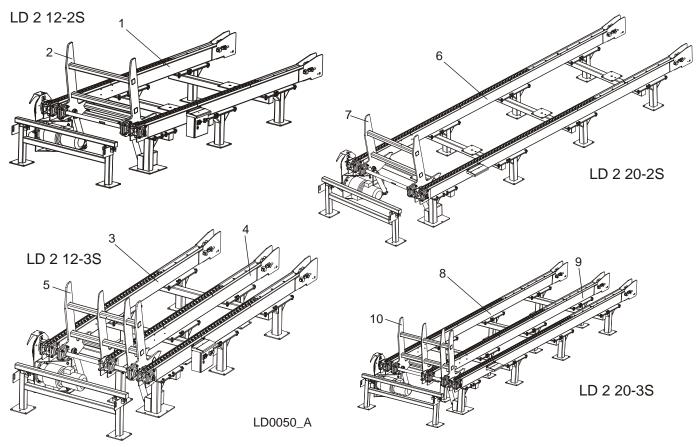
See Figure 3-3.



FIG. 3-3

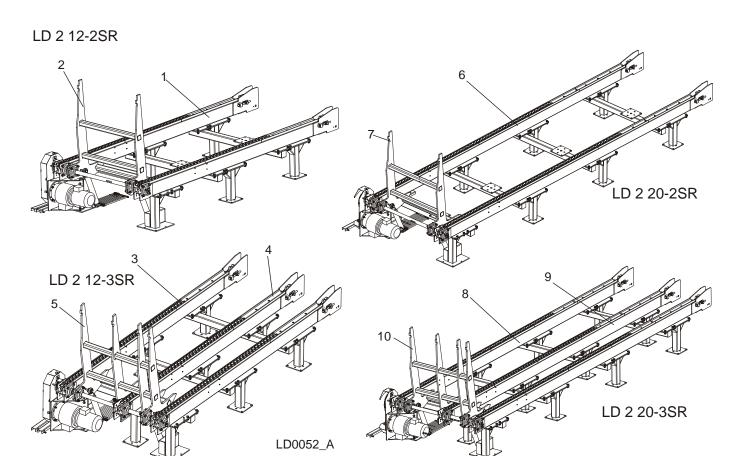
SECTION 4 REPLACEMENT PARTS

4.1 Log Infeed Decks



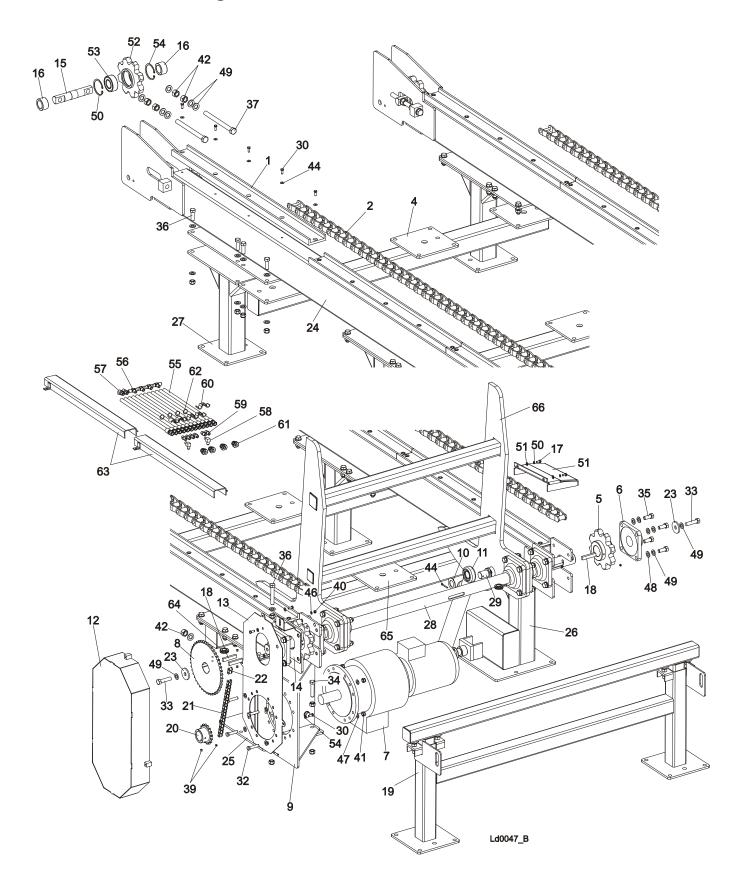
REF.	DESCRIPTION (♦ Indicates Parts Available In Assemblies Only)	PART #	QTY.	
	LD2 12-2S LOG INFEED DECK - COMPLETE	505900	1	
1	DECK, LD2 12-2S LOG INFEED	098940	1	
2	LOADER, LD2 12/20 (2S) LOG DECK - COMPLETE	505896	1	
	LD2 12-3S LOG INFEED DECK	098941	1	
3	DECK, LD2 12-2S LOG INFEED	098940	1	
4	SEGMENT, LD2 12 MIDDLE COMPLETE	099244	1	
5	LOADER, LD2 12/20 (3S) LOG DECK - COMPLETE	505754	1	
	LD2 20-2S LOG INFEED DECK - COMPLETE	505897	1	
6	DECK, LD2 20-2S LOG INFEED	100417	1	
7	LOADER, LD2 12/20 (2S) LOG DECK - COMPLETE	505896	1	
	LD2 20-3S LOG INFEED DECK	100418	1	
8	DECK, LD2 20-2S LOG INFEED	100417	1	
9	SEGMENT, LD2 20 MIDDLE COMPLETE	100416	1	
10	LOADER, LD2 12/20 (3S) LOG DECK - COMPLETE	505754	1	

4.2 Log Infeed Decks (Right Handed Log Loading)



REF.	DESCRIPTION (♦ Indicates Parts Available In Assemblies Only)	PART #	QTY	
	LD2 12-2SR LOG INFEED DECK - COMPLETE	508610	1	
1	DECK, LD2 12-2SR LOG INFEED	508616	1	
2	LOADER, LD2 12/20 (2SR) LOG DECK - COMPLETE	508615	1	
	LD2 12-3SR LOG INFEED DECK	508613	1	
3	DECK, LD2 12-2SR LOG INFEED	508616	1	
4	SEGMENT, LD2 12 MIDDLE COMPLETE	099244	1	
5	LOADER, LD2 12/20 (3SR) LOG DECK - COMPLETE	508608	1	
	LD2 20-2SR LOG INFEED DECK - COMPLETE	508611	1	
6	DECK, LD2 20-2SR LOG INFEED	508617	1	
7	LOADER, LD2 12/20 (2SR) LOG DECK - COMPLETE	508615	1	
	LD2 20-3SR LOG INFEED DECK	508612	1	
8	DECK, LD2 20-2SR LOG INFEED	508617	1	
9	SEGMENT, LD2 20 MIDDLE COMPLETE	100416	1	
10	LOADER, LD2 12/20 (3SR) LOG DECK - COMPLETE	508608	1	

4.3 LD2 12/20-2S Log Infeed Deck

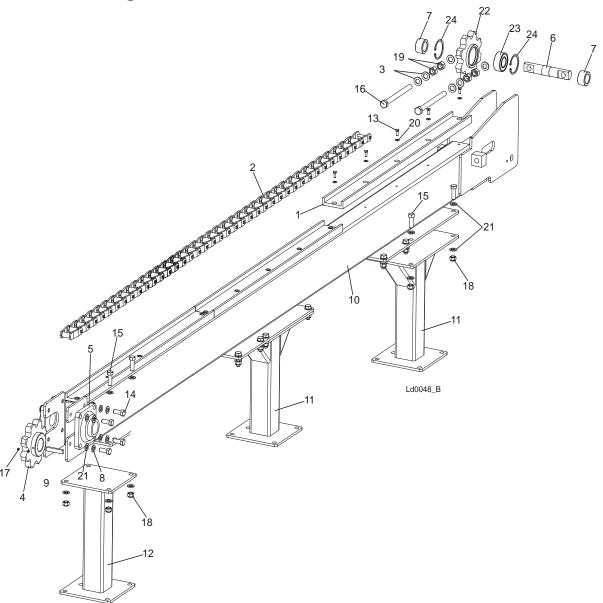


REF.	DESCRIPTION (♦ Indicates Parts Available In Assemblies Only)	PART #	QTY
	DECK, LD2 12-2S LOG INFEED - COMPLETE	505900	1
	DECK, LD2 20-2S LOG INFEED - COMPLETE	505897	1
	DECK, LD2 12-2S LOG INFEED	098940	1
	DECK, LD2 20-2S LOG INFEED	100417	1
1	CHANNEL, UHMW CONVEYOR (LD2 12/20)	033722	6/8
	TUBE, 4 ODX42 1/2 (LD2 20)	033755	2
2	CHAIN, 8290MM 125-LINK (LD2 12)	504581	2
	CHAIN, 12930MM 195-LINK (LD2 20)	504583	2
3	GUARD, LD2 12/20 LOG DECK CONTROL BOX	505811-1	1
4	CROSS TUBE, LOG INFEED DECK	089880-1	2/3
5	SPROCKET, Z8	089888-1	2
6	BEARING, UCF 211 W/HOUSING (55 DIA. SHAFT)	089889	4
7	MOTOREDUCER, SBCM 180/112M-4/32	089892	1
8	SPROCKET, 12B Z45	089894-1	1
9	BRACKET, HYDRAULIC MOTOR MOUNT	089897-1	1
10	WASHER, 36 MM DIA. ZINC-PLATED	089903-1	4
11	CYLINDER, CJ2F-16-63/36/320Z UE2-63W ROD END	089904	2
12	COVER, CHAIN DRIVE GUARD	089905-1	1
13	PLATE, CHAIN DRIVE GUARD	089909-1	2
14	BRACKET, CHAIN DRIVE GUARD MOUNT	089910-1	1
15	SHAFT, IDLER SPROCKET ZINC-PLATED	089915-1	2
16	BUSHING, DRIVE SPROCKET SPACER ZINC-PLATED	089916-1	4
17	BOLT, M8x16-8.8-B HEX HEAD FULL THREAD ZINC	F81002-20	2
18	KEY, B 16x10x80 PARALLEL	089921	5
19	STOP WLDMT, LOG INFEED DECK - COMPLETE	089930	1
20	SPROCKET, 12B Z16	090303-1	1
21	CHAIN, 12B-1-69 (1.31 RM)	090711	1
22	LINK, 12B-1PZ MASTER	090713	1
23	WASHER, SPECIAL ZINC-PLATED	098012-1	4
24	TUBE, LD1 3.6 FRAME	098925-1	2
	TUBE, LD1 6.0 FRAME	099766-1	2
25	LEG, LD2 W/MOUNTING PLATE	098927-1	1
26	LEG, LD2 12/20 FRONT	098928-1	1
27	LEG, LD2 12/20 H=500mm	098929-1	4/6
28	SHAFT, LT70/300 LOG DECK MAIN	099243	1
29	PIN, LD CYLINDER MOUNTING ZINC-PLATED	099482-1	1
30	BOLT, M8x20-5.8 HEX HEAD FULL THREAD ZINC	F81002-1	34/52
31	BOLT, M12x55-8.8 HEX HEAD ZINC	F81004-12	4
32	BOLT, M16x65-8.8-B HEX HEAD FULL THREAD ZINC	F81006-1	2
33	BOLT, M16x75-8.8-B HEX HEAD FULL THREAD ZINC	F81006-10	2
34	BOLT, M16x40-8.8 HEX HEAD FULL THREAD ZINC	F81006-13	16
35	BOLT, M16x100-8.8 HEX HEAD FULL THREAD ZINC	F81006-2	1
36	BOLT, M16x50-8.8 HEX HEAD FULL THREAD ZINC	F81006-7	54/70
37	BOLT, M20x240-8.8 HEX HEAD FULL THREAD ZINC	F81007-1	4
38	SCREW, M8x8 45H GEOMET HEX SOCKET SET W/FLAT POINT	F81014-1	8
39	NUT, M8-8-B HEX NYLON ZINC LOCK	F81032-2	1
40	NUT, M12-8 HEX NYLON ZINC LOCK	F81034-2	4
41	NUT, M16-8 HEX NYLON ZINC LOCK	F81036-2	57/73



42	NUT, M20-8 HEX ZINC	F81037-1	8	
43	PIN, S-Zn 5x40 COTTER	F81043-31	4	
44	WASHER, 6,5 SPECIAL FLAT ZINC	F81053-11	30/48	
45	WASHER, 8.4 FLAT ZINC	F81054-1	5	
46	WASHER, 13 FLAT ZINC	F81056-1	8	
47	WASHER, 17 FLAT ZINC	F81058-1	121/153	
48	WASHER, 16.3 SPLIT LOCK ZINC	F81058-2	20	
49	WASHER, 21 FLAT ZINC	F81059-2	12	
50	WASHER, 8.2 SPLIT LOCK ZINC	F81054-4	2	
51	WASHER, 8.4 FLAT ZINC	F81054-1	7	
	SPROCKET, Z8 - COMPLETE	507234	1	
52	SPROCKET, Z8 REAR	089919-1	1	
53	BEARING, 3208B.2RSRTNG NSK	088449	1	
54	RING, W80 INSIDE RETAINING	F81090-25	2	
55	HYDRAULIC HOSE KIT	097064	1	
56	FITTING, 3/8JIC TEE	015487	4	
57	FITTING, #6SAE 45 DEG. ELBOW	015489	2	
58	FITTING, 3/8JIC-1/4NPT 90L	015491	2	
59	FITTING, 3/8JIC-1/4NPT STRAIGHT	015560	6	
60	CLAMP, 3/8 HOSE	016041	5	
61	FITTING, M22x1.5 / 1/4 - 18 NPT REDUCER ZINC-PLATED	093139-1	4	
62	O-RING 020x2	093483	4	
63	COVER, CABLE	514985-1	2	
64	GROMMET, 22mm I.D. RUBBER	087400	2	
65	TUBE WELDMENT, CROSS STIFFENER	514851-1	1	
66	LOADER, LD2 12/20 (2S) LOG DECK - COMPLETE	505896	1	

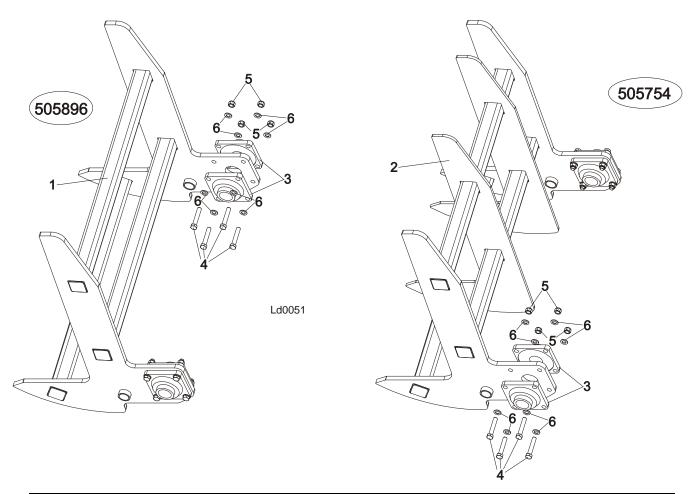
4.4 Middle Segment



REF.	DESCRIPTION (♦ Indicates Parts Available In Assemblies Only)	PART #	QTY	
	SEGMENT, LD2 12 MIDDLE - COMPLETE	099244	1	
	SEGMENT, LD2 20 MIDDLE - COMPLETE	100416	1	
1	CHANNEL, UHMW CONVEYOR (LD2 12/20)	033722	3/4	
	TUBE, 4 ODX42 1/2 (LD2 20)	033755	1	
2	CHAIN, 12FT INFEED DECK (LD2 12)	033760	1	
	CHAIN, 20FT INFEED DECK (LD2 20)	035762	1	
3	WASHER, 21 FLAT ZINC	F81059-2	6	
4	SPROCKET, Z8	089888-1	1	
5	BEARING, UCF 211 W/HOUSING (55 DIA. SHAFT)	089889	2	
6	SHAFT, IDLER SPROCKET ZINC-PLATED	089915-1	1	
7	BUSHING, DRIVE SPROCKET SPACER ZINC-PLATED	089916-1	2	
8	WASHER, 16.3 SPLIT LOCK ZINC	F81058-2	8	
9	KEY, B 16x10x80 PARALLEL	089921	1	
10	TUBE, LD1 3.6 FRAME	098925-1	1	
	TUBE, LD1 6.0 FRAME	099766-1	1	

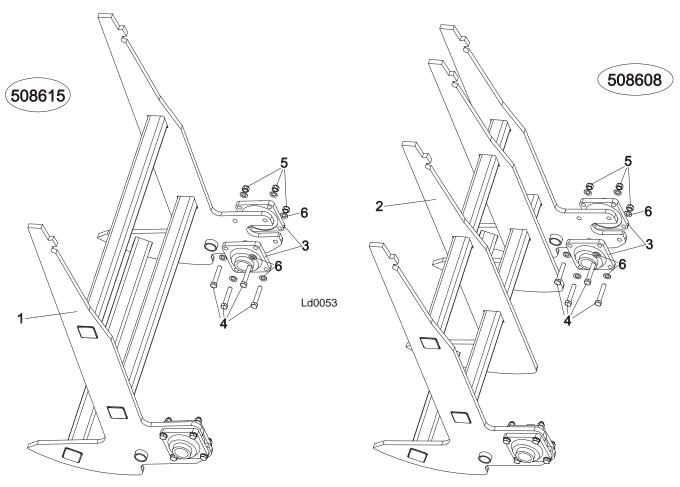
11	LEG, LD2 12/20 H=500mm	098929-1	2/3	
12	LEG, MIDDLE SEGMENT FRONT	099247-1	1	
13	BOLT, M8x20-5.8 HEX HEAD FULL THREAD ZINC	F81002-1	15/24	
14	BOLT, M16x40-8.8 HEX HEAD FULL THREAD ZINC	F81006-13	8	
15	BOLT, M16x50-8.8 HEX HEAD FULL THREAD ZINC	F81006-7	24/28	
16	BOLT, M20x240-8.8 HEX HEAD FULL THREAD ZINC	F81007-1	2	
17	SCREW, M8x8 45H GEOMET HEX SOCKET SET W/FLAT POINT	F81014-1	2	
18	NUT, M16-8 HEX NYLON ZINC LOCK	F81036-2	24/28	
19	NUT, M20-8 HEX ZINC	F81037-1	4	
20	WASHER, 6.5 SPECIAL FLAT ZINC	F81053-11	15/24	
21	WASHER, 17 FLAT ZINC	F81058-1	56/64	
	SPROCKET, Z8 - COMPLETE	507234	1	
22	SPROCKET, Z8 REAR	089919-1	1	
23	BEARING, 3208B.2RSRTNG NSK	088449	1	
24	RING, W80 INSIDE RETAINING	F81090-25	2	

4.5 Log Decks Loaders



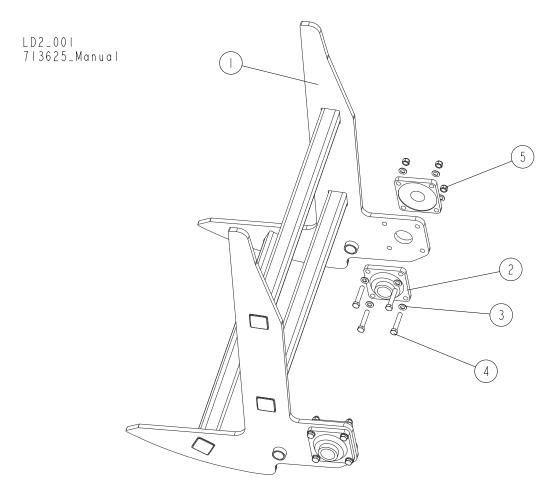
REF.	DESCRIPTION (♦ Indicates Parts Available In Assemblies Only)	PART#	QTY	
	LOADER, LD2 12/20 (2S) LOG DECK - COMPLETE	505896	1	
	LOADER, LD2 12/20 (3S) LOG DECK - COMPLETE	505754	1	
1	LOADER, LD2 12/20 (2S) LOG DECK	505812-1	1	
2	LOADER, LD2 12/20 (3S) LOG DECK	505752-1	1	
3	BEARING, UCF 211 W/HOUSING (55 DIA. SHAFT)	089889	4	
4	BOLT, M16x90-8.8 HEX HEAD ZINC	F81006-17	8	
5	NUT, M16-8 HEX NYLON ZINC LOCK	F81036-2	8	
6	WASHER, 17 FLAT ZINC	089919-1	16	

4.6 Log Decks Loaders (Right Handed Log Loading)



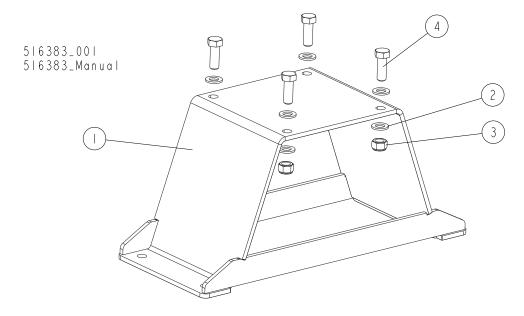
REF.	DESCRIPTION (♦ Indicates Parts Available In Assemblies Only)	PART #	QTY	
	LOADER, LD2 12/20 (2S) LOG DECK - COMPLETE	505896	1	
	LOADER, LD2 12/20 (3S) LOG DECK - COMPLETE	505754	1	
1	LOADER, LD2 12/20 (2S) LOG DECK	506247-1	1	
2	LOADER, LD2 12/20 (3S) LOG DECK	508609-1	1	
3	BEARING, UCF 211 W/HOUSING (55 DIA. SHAFT)	089889	4	
4	BOLT, M16x90-8.8 HEX HEAD ZINC	F81006-17	8	
5	NUT, M16-8 HEX NYLON ZINC LOCK	F81036-2	8	
6	WASHER, 17 FLAT ZINC	F81058-1	16	

4.7 Log Deck Loader LD2-WB



RE.	DESCRIPTION (♦ Indicates Parts Available In Assemblies Only)	PART#	QTY	
	LOADER, LD12/20 (2S), LOG DECK - COMPLETE	713625	1/0	
	LOADER, LD12/20 (3S), LOG DECK - COMPLETE	713628	0/1	
1	LOADER, LD12/20 (2S), LOG DECK	713626-1	1/0	
	LOADER, LD12/20 (3S), LOG DECK	713629-1	0/1	
2	BEARING,UCF 211 W/HOUSING(55 DIA. SHAFT)	089889	4	
3	WASHER, 17 FLAT ZINC	F81058-1	16	
4	BOLT, M16X90 -8.8-FE/ZN5 PN/M-82101	F81006-17	8	
5	NUT, M16,HEX, NYLON ZINC LOCK	F81036-2	8	

4.8 Adapter WB2000



RE.	DESCRIPTION (♦ Indicates Parts Available In Assemblies Only)	PART #	QTY	
	ADAPTER ASSEMBLY LD WB2000	516383	1	
1	BASE LD WELDED	513913-1	1	
2	WASHER, 17 FLAT ZINC	F81058-1	8	
3	NUT, M16,HEX, NYLON ZINC LOCK	F81036-2	4	
4	BOLT M16X45-8.8	F81006-46	4	



EC declaration of conformity according to EC Machinery Directive 2006/42/EC

We herewith declare,

Wood-Mizer Industries sp. Z O.O. 114 Nagorna street, 62-600 Kolo; Poland.

That the following described machine in our delivered version complies with the appropriate basic safety and health requirements of the EC Machinery Directive 2006/42/EC based on its design and type, as brought into circulation by us. In case of alteration of the machine, not agreed by us, this declaration is no longer valid.

Designation of the machine:	Log Deck
TYPE:	LD
No. of manufacturer:	
Applicable EC Directives:	EC Machinery Directive 2006/42/EC EC Low-Voltage Directive 2006/95/EC EC Electromagnetic Compatibility Directive 2004/108/EC
Responsible for Technical Documentation:	Roman Frontczak / R&D Director
Date/Authorized Signature: Title:	29. 12. 2009 R&D Director