

MAGNUM SR SERIES

PARTS MANUAL



MAGNUM 300SR
MAGNUM 420SR
MAGNUM 480SR

Bucyrus Equipment Co., Inc.
Box 156, 209 Main
Hillsdale, Ks 66036
1-800-330-0857
www.magnumharvesters.com

RE-ORDER NUMBER: SRMANUAL
REVISION: SR-100020



SR SERIES

MAGNUM 300SR/420SR/480SR PARTS MANUAL

The purpose of this manual is for parts identification of the Magnum SR series harvester. This manual is not to be used for assembly. This manual includes parts lists and illustrations of all available replacement parts for the Magnum SR series harvesters. A table of contents is placed at the beginning of the manual for location of specific parts. Keep this manual available for reference in the shop area.

At the time of publication all information contained in this manual was technically correct. However, all materials and specifications are subject to change without notice.

Comments and suggestions about this manual may be directed to: Bucyrus Equipment Co., Inc., PO Box 156-209 Main, Hillsdale, KS 66036. Phone 1-800-330-0857

©Copyright 2005 BECI. All information contained within this publication is based on the latest product information at the time of publication. Due to constant improvements in the design and quality of production components, some minor discrepancies may result between the actual vehicle and the information presented in this publication. Depictions and/or procedures in this publication are intended for reference use only. No liability can be accepted for omissions or inaccuracies. Any reprinting or reuse of the depictions and/or procedures contained within, whether whole or in part, is expressly prohibited. Printed in U.S.A.

TABLE OF CONTENTS

Section 1	420/480 Floating Heads
Section 2	420/480 Solid Heads/Coulter Option
Section 3	300 Solid Heads/Coulter Option
Section 4	Depth Control
Section 5	1st Conveyor
Section 6	2nd Conveyor
Section 7	Chop Offs
Section 8	Net Dispenser
Section 9	Ramps
Section 10	Tube Racks
Section 11	Control Panel Box
Section 12	Wheel/Hub Assembly
Section 13	Hydraulic Components
Section 14	Valve Body
Section 15	Flow Control Valve

Section 16 Chop Valve

Section 17 Accumulator

Section 18 Hydraulic Tank/Increaser

Section 19 Hose/Hardline Mounts

Section 20 Electrical Components

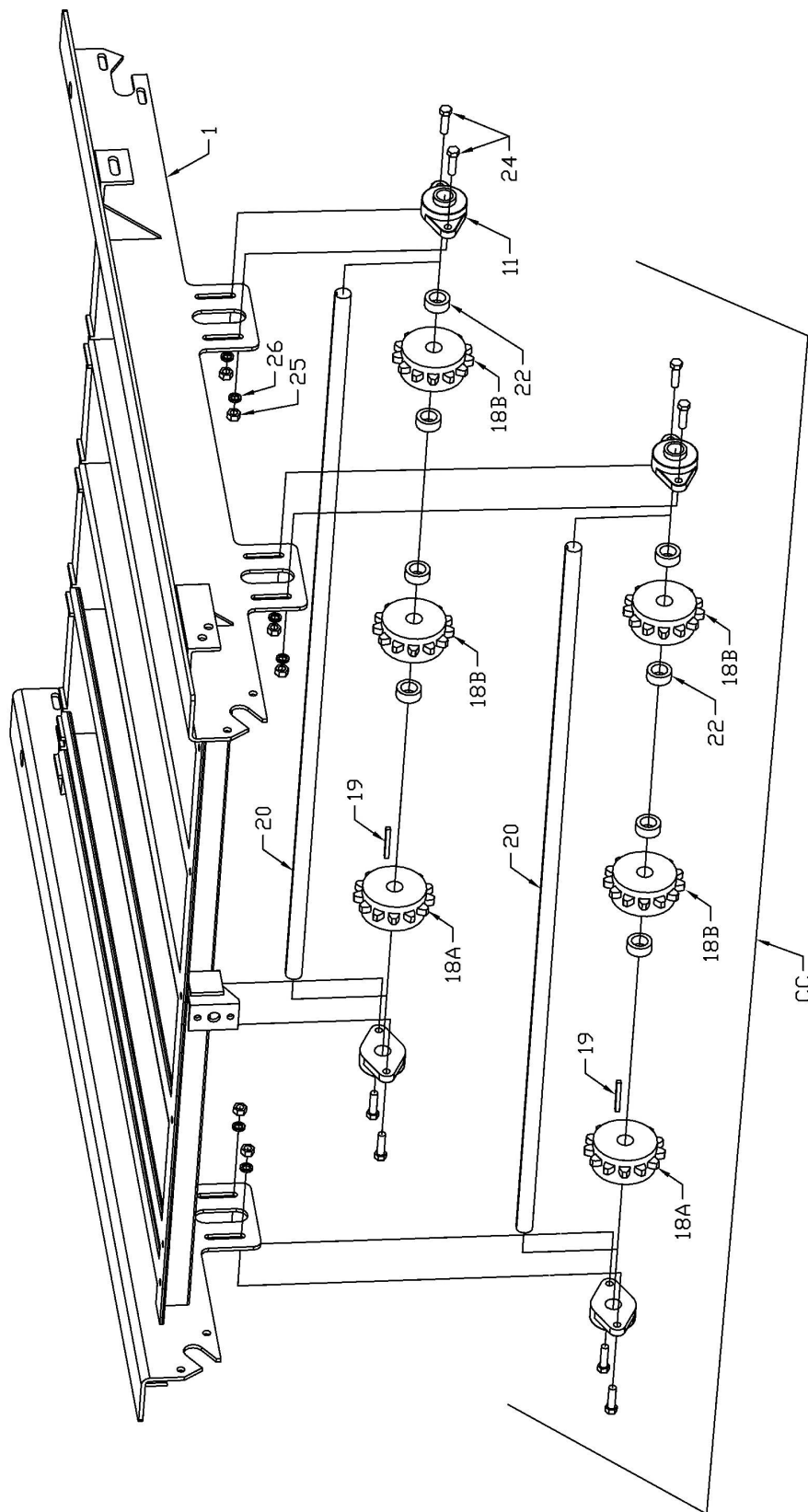
1ST CONVEYOR

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	300FC100 (300) 480FC100 (420/480)	Main frame
2	1	DS200-X	Hydraulic motor
3	1	WDRF1/4X1	Woodruff key
4	1	FC200	Motor mounting bracket
5	1	60BS10HT1	Drive sprocket
6	2	13209	1/2"-13 x 1-1/2" Zinc SAE J429 Gr 5 Cap Screw
7	2	36308	7/16"-14 Zinc Finish Grade 5 Finished Hex Nut
8	2	33894	7/16" Zinc Fin High Alloy Med Split Lock Washer
9	1	60BS15HT1	Driven sprocket
10	1	420B10038	1/4" Key stock, 1 1/2" long
11	8	FL100	Flange bearing
12	1	1W002	Bracket
13	2	13157	7/16"-14 x 1-1/4" Gr 5 Zinc Fin Hex Cap Screw
14	2	33894	7/16" Zinc Fin High Alloy Med Split Lock Washer
15	2	33816	7/16" Zinc Fin SAE Thru-Hardened Flat Washer
16	1	480FC400	Roller chain
17	1	60HCONLINK	Master link
18A	9	SP004	Mat Sprocket
18B	9	SP004-NK	Mat Sprocket, no keyway, no set screw
19	7	480FC109	1/4" Key stock
20	3	S1053	Driven shaft
21	2	TB100	Tapped pillow block bearing
22	10	SC001	1in. Set Collar
23	1	S1049-48	Drive shaft
24	8	13160	7/16"-14 x 1-3/4" Gr 5 Zinc Fin Hex Cap Screw
25	8	36308	7/16"-14 Zinc Finish Grade 5 Finished Hex Nut
26	8	33894	7/16" Zinc High Alloy Medium Split Lock Washer
27	4	13103	3/8"-16 x 3/4" Gr 5 Zinc Finish Hex Cap Screw
28	1	5F1400-48	Conveyor angle
29	5-300/420 7-480	480FC120	Wear strip
30	5-300/420 7-480	21255	5/16"-18 X 1" z CARRIAGE BOLT
31	5-300/420 7-480	33892	5/16 Lock Washer
32	5-300/420 7-480	36304	5/16"-18 Zinc Finish Grade 5 Finished Hex Nut
33	1	KW420B-300 (300) KW420B-420 (420) KW420B-480 (480)	Conveyor mat
34	1	300FC115R (300) 420FC115R (420) 480FC115R (480)	Sod guide, Right

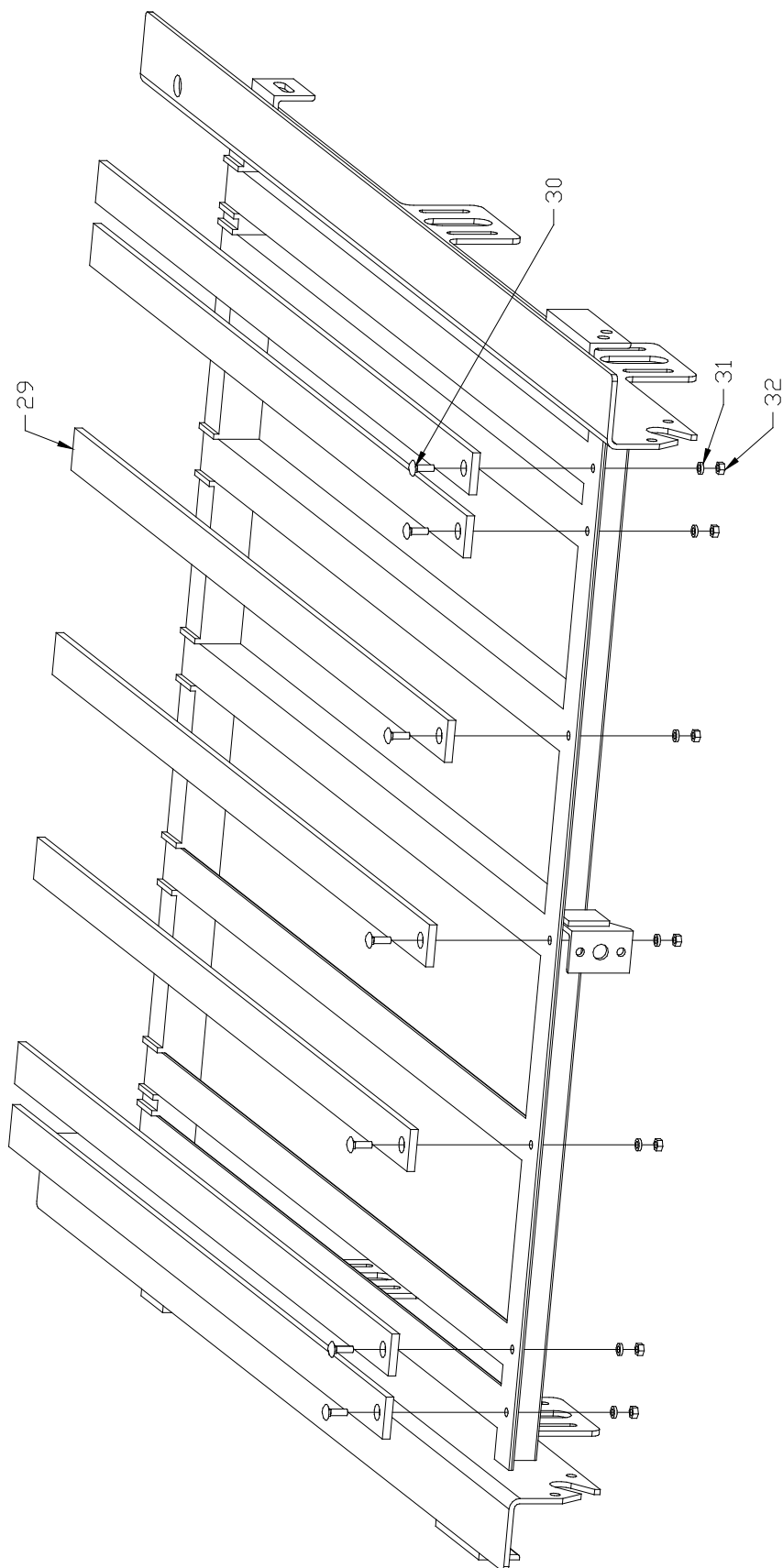
1ST CONVEYOR

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
35	1	300FC115L (300) 420FC115L (420) 480FC115L (480)	Sod guide, Left
36	1	MR420-30 (300) MR420 (420) MR420-48 (480)	Conveyor mat connecting rod
37	1	37015	10-32 Zinc Fin NM Gr 2 Nylon Insert Lock Nut
38	8	13157	7/16"-14 x 1-1/4" Gr 5 Zinc Fin Hex Cap Screw
39	16	33816	7/16" Zinc Fin SAE Thru-Hardened Flat Washer
40	8	33894	7/16" Zinc Fin High Alloy Med Split Lock Washer
41	8	36308	7/16"-14 Zinc Finish Grade 5 Finished Hex Nut
Repair Kits & Assemblies			
	1	11188319	Seal kit for DS200-X conveyor motor
AA	1	S1053-300SR – (300) S1053-420SR – (420) S1053-480SR – (480)	1 ST CONV. BOTTOM SHAFT ASSY
BB	1	S1049-300SR – (300) S1049-48-420SR – (420) S1049-48-480SR – (480)	1 ST CONV. DRIVE SHAFT ASSY
CC	2	S1053-IDLER-300SR – (300) S1053-IDLER-420SR - (420) S1053-IDLER-480SR - (480)	1 ST CONV. IDLE SHAFT ASSY

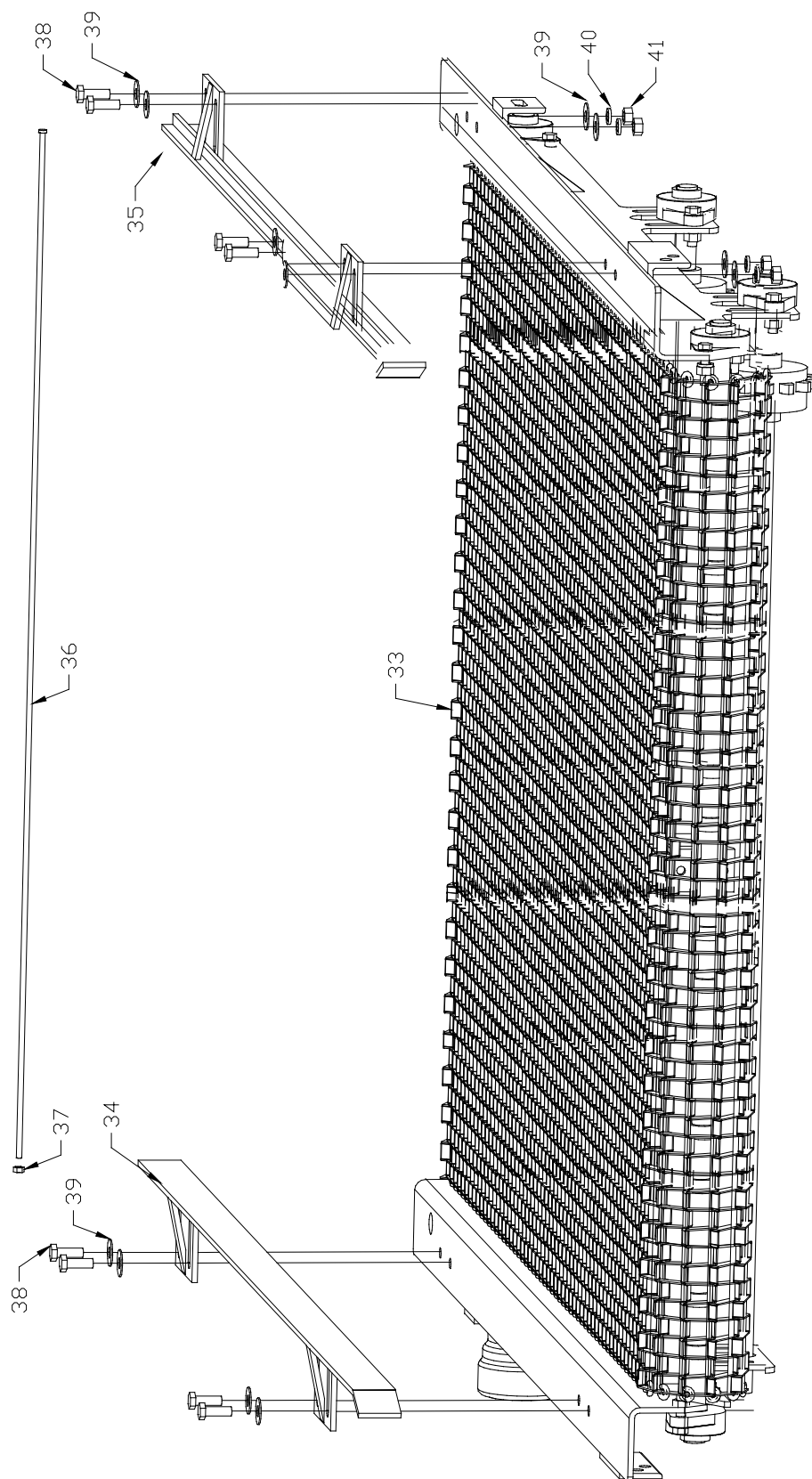
1ST CONVEYOR



1ST CONVEYOR



1ST CONVEYOR



1ST CONVEYOR

[illegible]

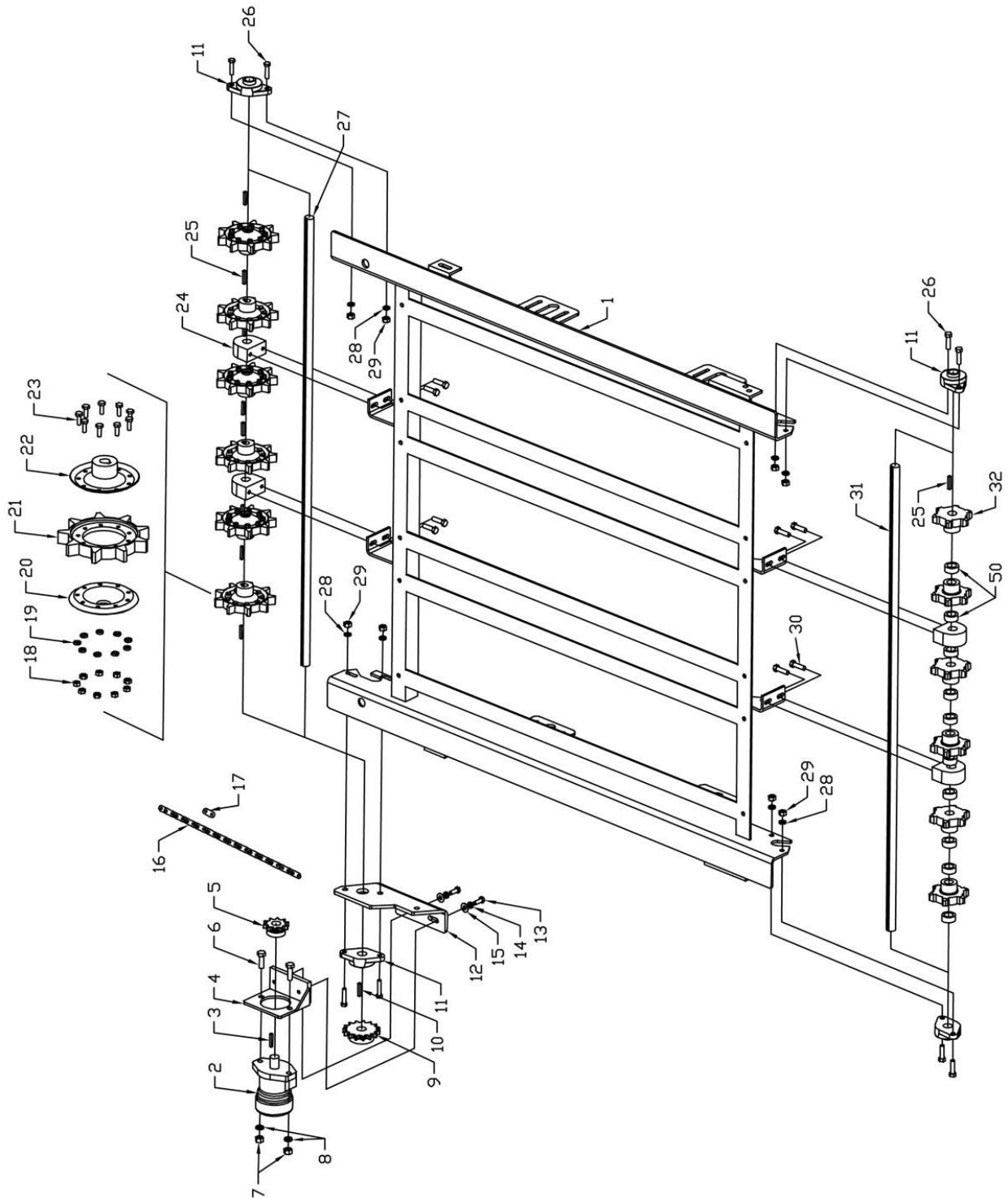
1ST CONVEYOR RUBBER BELT

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	480FC000 (420/480)	Main frame
2	1	DS200-X	Hydraulic motor
3	1	WDRF1/4X1	Woodruff key
4	1	FC200	Motor mounting bracket
5	1	60BS10HT1	Drive sprocket
6	2	13209	1/2"-13 x 1-1/2" Zinc SAE J429 Gr 5 Cap Screw
7	2	36308	7/16"-14 Zinc Finish Grade 5 Finished Hex Nut
8	2	33894	7/16" Zinc High Alloy Medium Split Lock Washer
9	1	60BS15HT1	Driven sprocket
10	1	1 1/2inKEYSTOCK	1/4" Square key, 1 1/2" long
11	6	FL100	Flange bearing
12	1	1W002	Bracket
13	2	13157	7/16"-14 x 1-1/4" Gr 5 Zinc Fin Hex Cap Screw
14	2	33894	7/16" Zinc High Alloy Medium Split Lock Washer
15	2	33816	7/16" Zinc Fin SAE Thru-Hardened Flat Washer
16	1	480FC400	Roller chain
17	1	60HCONLINK	Master link
18	54	110120312	1/4"-20 x 3" Grade 5 Zinc Finish Hex Cap Screw
19	9	33891	1/4" Zinc Fin SAE Thru-Hardened Flat Washer
20	1	SC128	Flange
21	6	04-102	Plastic Sprocket
22	6	SC127	Sprocket Hub
23	54	13003	1/4"-20 x 3/4" Gr 5 Zinc Finish Hex Cap Screw
24	4	TB100	Tapped pillow block bearing
25	12	480FC109	1/4" KEYSTOCK
26	12	13160	7/16"-14 x 1-3/4" Gr 5 Zinc Fin Hex Cap Screw
27	1	S1049-48	Drive Shaft
28	12	33894	7/16" Zinc Finish High Alloy Split Lock Washer
29	12	36308	7/16"-14 Zinc Finish Grade 5 Finished Hex Nut
30	4	13103	3/8"-16 x 3/4" Gr 5 Zinc Finish Hex Cap Screw
31	1	S1048-48	Idler Shaft
32	6	SP300	Plastic Idler Sprocket
33	1	480FC003	Roller
34	6	480FC004	Wear Strip
35	6	0124739	Wear Strip Fastener (part of bolt kit SC300)
36	6	36304	5/16"-18 Nut (part of bolt kit SC300),gr 5 zinc fin
37	6	21255	Wear Strip Fastener (part of bolt kit SC300)
38	6	33892	Lockwasher (part of bolt kit SC300) 5/16"
39	6	36304	Nut (part of bolt kit SC300), 5/16"
40	1	420FC115R (420) 480FC115R (480)	Sod Guide, Right
41	1	420FC115L (420) 480FC115L (480)	Sod Guide, Left
42	4	480FC007	Sod Guide Spacer Block
43	8	13157	7/16"-14 x 1-1/4" Gr 5 Zinc Fin Hex Cap Screw
44	8	33816	7/16" Yellow Zinc Finish SAE Flat Washer

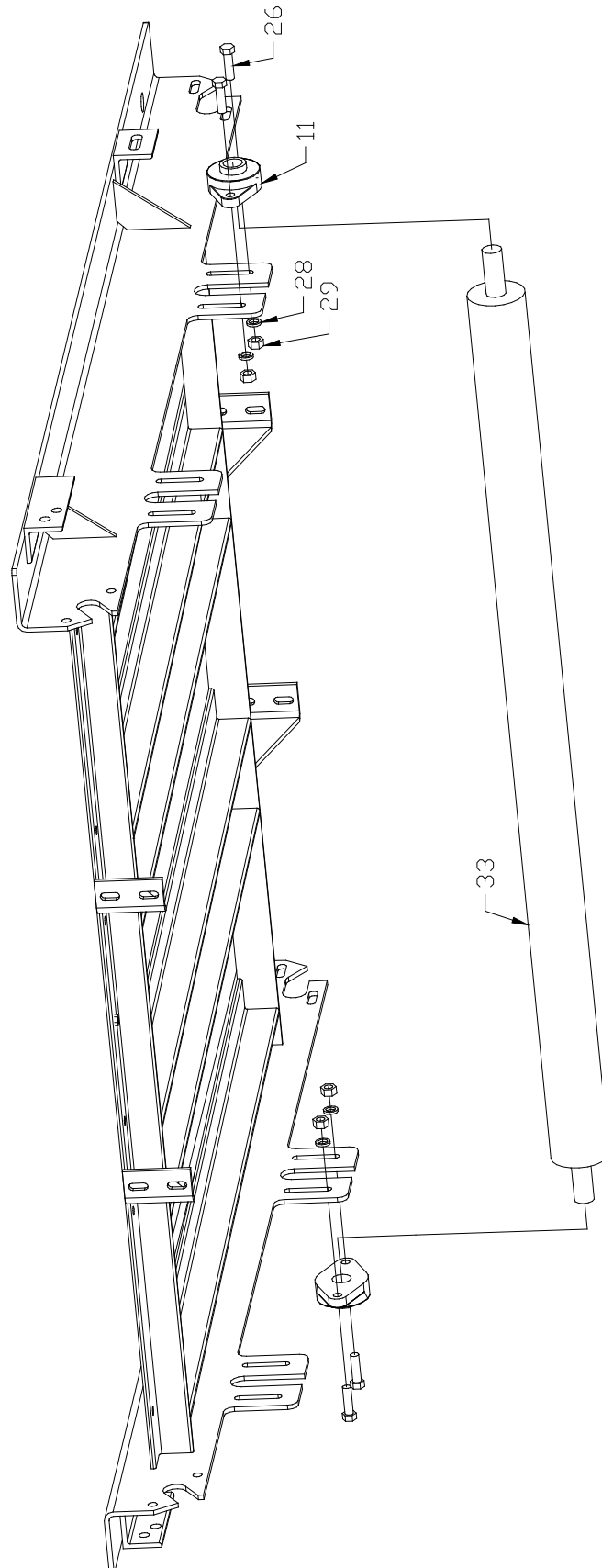
1ST CONVEYOR RUBBER BELT

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
45	8	33894	7/16" Zinc Fin High Alloy Med Split Lock Washer
46	8	36308	7/16"-14 Zinc Finish Grade 5 Finished Hex Nut
47	3	480FC006	Rubber Belting
48	9	140C-H	1/2 Lace Plate w/ Bolt, Plat, and Nut
49	9	140C	Lace Pale w/ Bolt, Plate, and Nut
50	10	SC001	One Piece Split Collar
Repair Kits			
	1	11188319	Seal kit for DS200-X conveyor motor

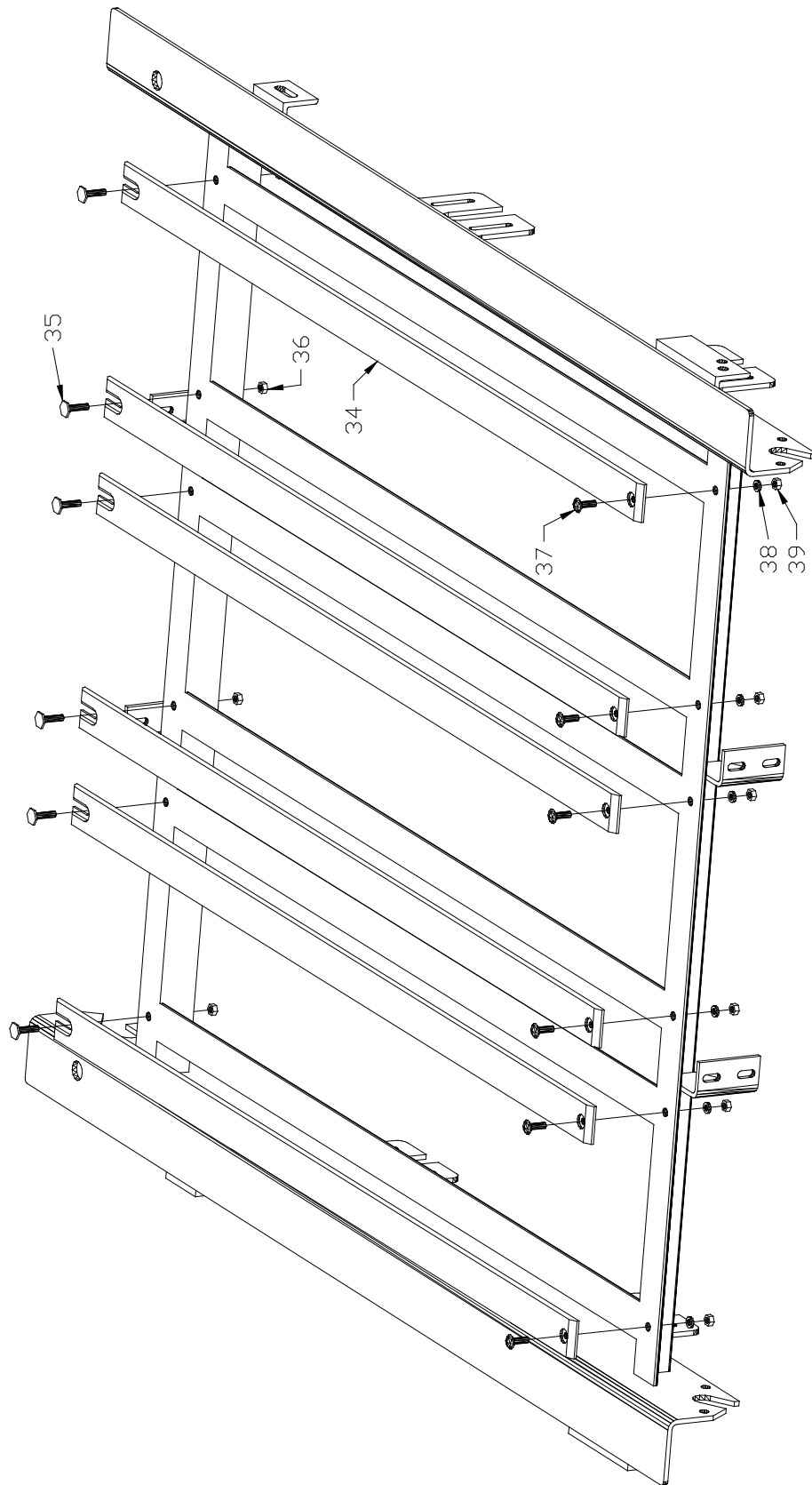
1ST CONVEYOR RUBBER BELT



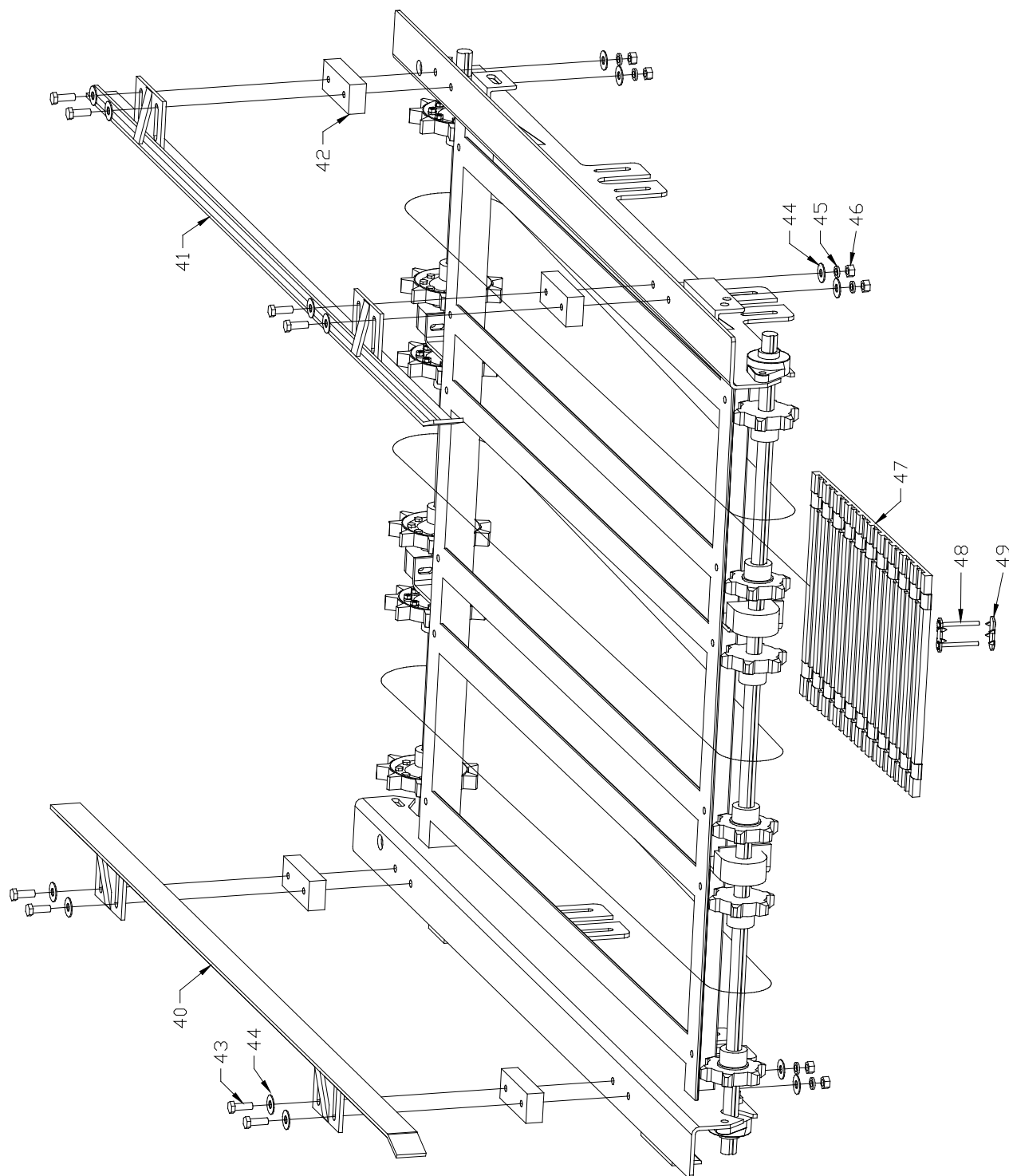
1ST CONVEYOR RUBBER BELT



1ST CONVEYOR RUBBER BELT



1ST CONVEYOR RUBBER BELT



————— **1ST CONVEYOR RUBBER BELT** —————

This image shows a full page of blank white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for writing or drawing. There are no margins, text, or other markings on the page.