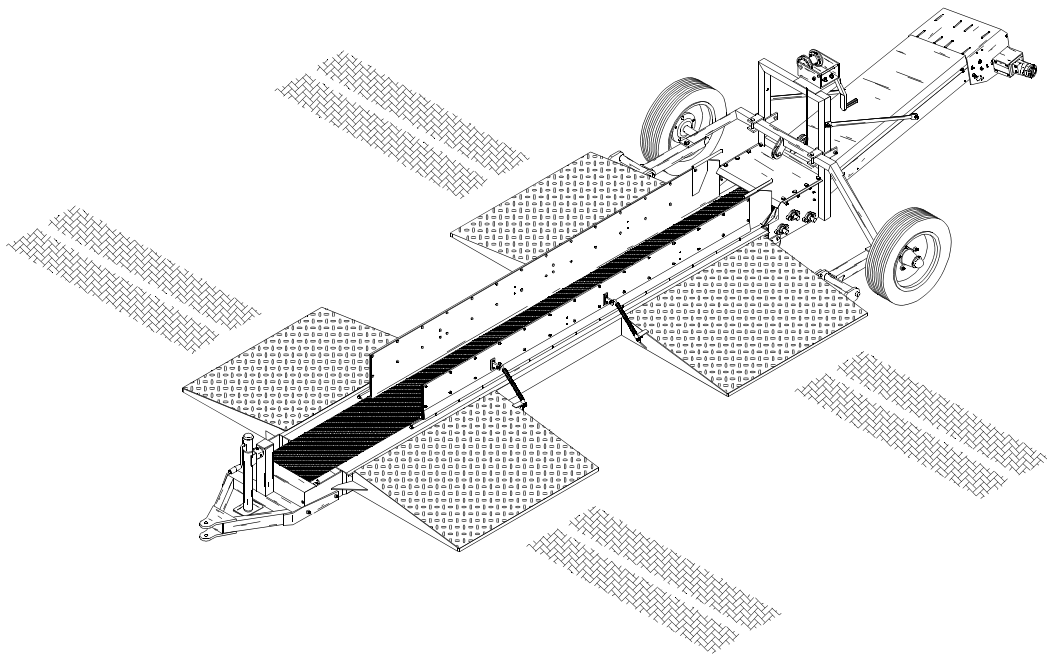




Drive Over- PitTM

Belt Accelerator & Multi-Purpose Belt Loader

OWNER'S MANUAL

Drive Over-Pit™ Belt Accelerator & Multi-Purpose Belt Loader

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Warranty

CrustBuster/Speed King, Inc. of Dodge City, Kansas, warrants consumer products, so far as the same is of our own manufacture, against defects in material and workmanship under normal and reasonable use for a period of one (1) year after date of delivery to the original purchaser. Our obligation under this warranty is limited, however, to furnishing a replacement part for a defective part, or at our option to repair the defective parts without charge, either method F.O.B. our works, provided the consumer gives CrustBuster/Speed King, Inc. written notice within ten (10) days after said part appears to be defective and affords CrustBuster/Speed King, Inc. an opportunity to inspect. Unless otherwise expressly agreed to by CrustBuster/Speed King, Inc., the consumer shall bear the expense of installation.

CrustBuster/Speed King, Inc. will not be liable for consequential damages where the loss is commercial, including but not limited to loss of profit, delays or expenses.

This warranty sets forth the extent of our liability. The foregoing is in lieu of all other warranties, expressed or implied, including any warranties that extend beyond the description of the product.

Introduction

Read this manual carefully. It will instruct you on how to operate and service your machine safely and correctly. Failure to do so could result in personal injury and/or equipment damage.



Warnings

1. **DO NOT** service Drive Over-Pit™ before stopping all motors and locking out power source.
2. **DO NOT** operate Drive Over-Pit™ before checking for proper clearance for operation and clearing the area of people.
3. **DO NOT** operate the Drive Over-Pit™ without familiarizing yourself with the operator's manual.
4. **DO NOT** operate the Drive Over-Pit™ if guards or shields have been removed.
5. **DO NOT** drive over ramp with spring loaded skirtboards in "UP" position.
6. **DO NOT** stand or walk on conveyor belt before stopping all motors and locking out power source.



Safety Precautions

1. Operator should read and understand operator's manual before operating Drive Over-Pit™ conveyor.
2. Never stand or climb on the Drive Over-Pit™ conveyor before disconnecting and locking out power source.
3. Disconnect and lock out power source before adjusting and servicing Drive Over-Pit™ conveyor.
4. Do not operate without guards and shields in place.
5. Stay away from hopper inlet when operating.
6. Stay away from moving belt when operating.
7. Keep area clean.
8. Operator should be familiar with controls and operation sequence prior to start up.
9. Read and understand all material safety data sheets (MSDS) for any chemical or material you are handling.
10. All electrical components should be wired by a qualified electrician. All federal, state, and local codes should be followed.

**Owner's and User's
Statement of Responsibility**
**Drive Over-Pit™
Belt Accelerator &
Multi-Purpose Belt Loader**

I have had explained to me and accept responsibility for the following:

I understand this Drive Over-Pit™ conveyor is a heavy, powerful, and bulky unit of equipment capable of causing injury or death when used improperly. I accept the responsibility associated therewith.

I understand the danger of high voltage power lines in relation to high profile equipment and accept responsibility for its safe use in dangerous surroundings.

I understand that neither I, any of my workers, nor anyone else should be allowed to work around the Drive Over-Pit™ conveyor area while it is in operation, or unstabilized for any reason.

I understand the Drive Over-Pit™ can cause serious injury or death instantly. Therefore, I accept responsibility to avoid, and to cause my workers to avoid, working in an area or manner that would cause unnecessary risk of injury or death.

I hereby acknowledge that I have been adequately instructed in the safe operation of this Drive Over-Pit™ conveyor and accept responsibility for same.

I recognize that this list of potential risk and dangers is not necessarily complete and agree to exercise good common sense and judgement in the use of this Drive Over-Pit™ conveyor.

Owner

Date

Lubrication and Maintenance

**CAUTION:**

STOP ALL MOTORS AND LOCK OUT POWER SOURCE BEFORE SERVICING CONVEYOR.

**CAUTION:**

IF GUARDS OR SHIELDS ARE REMOVED TO SERVICE UNIT, REPLACE IMMEDIATELY AFTER COMPLETION OF WORK.

**IMPORTANT:**

THE LUBRICATION PERIODS RECOMMENDED ARE BASED ON NORMAL USAGE. SEVERE OR UNUSUAL CONDITIONS MAY REQUIRE MORE FREQUENT LUBRICATION.

**IMPORTANT:**

CLEAN FITTINGS THOROUGHLY BEFORE LUBRICATING. REPLACE MISSING OR DAMAGED GREASE FITTINGS IMMEDIATELY.

SERVICE/YEARLY (PRIOR TO START UP)	LUBRICANT:
Electric Motor 1 to 2 Full Strokes	Shell Oil Co. "Dolium R" Chevron Oils "SRI No. 2" Texaco Inc. "Premium RB"

SERVICE/WEEKLY (20 HOURS)	LUBRICANT:
Flange Bearings	SAE Multi-Purpose Grease

Drive Over-Pit™ Conveyor Maintenance

Due to the characteristics of certain materials, a residue may build up. If this is a problem or gets excessive, wash out the conveyor. Allow to dry before using.

Hydraulic Requirements:

15 gallons per minute at 1800 psi.

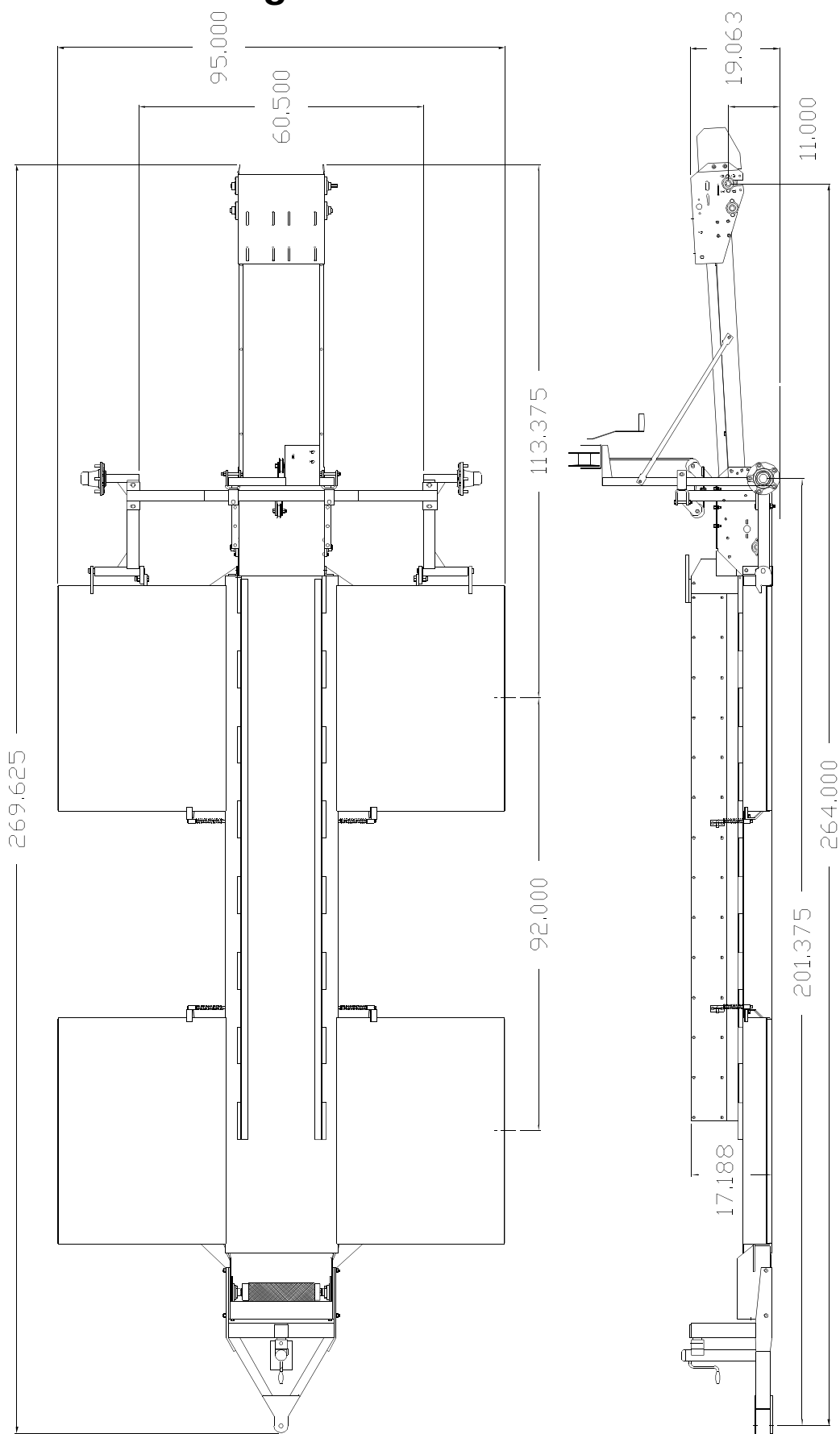
In order to operate a hydraulic drive BeltVeyor and a hydraulic Drive Over-Pit™ Conveyor off of the same tractor, the tractor will need to have a

Closed Center Hydraulic System
with Individual Flow Control for each valve
and a flow rate of 32 gallons per minute at 2000 psi.

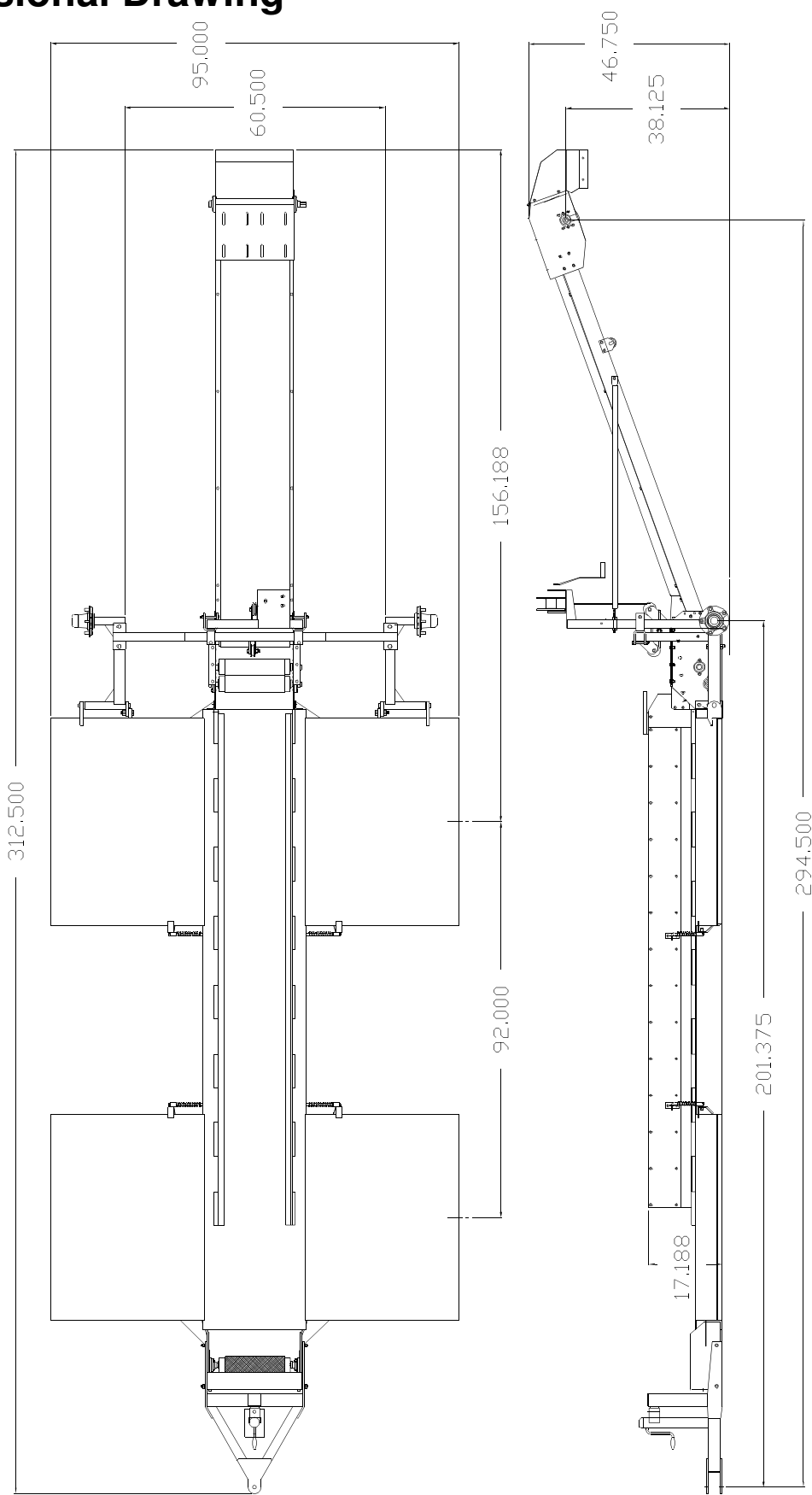
Electric Requirements:

5 hp 1800 RPM

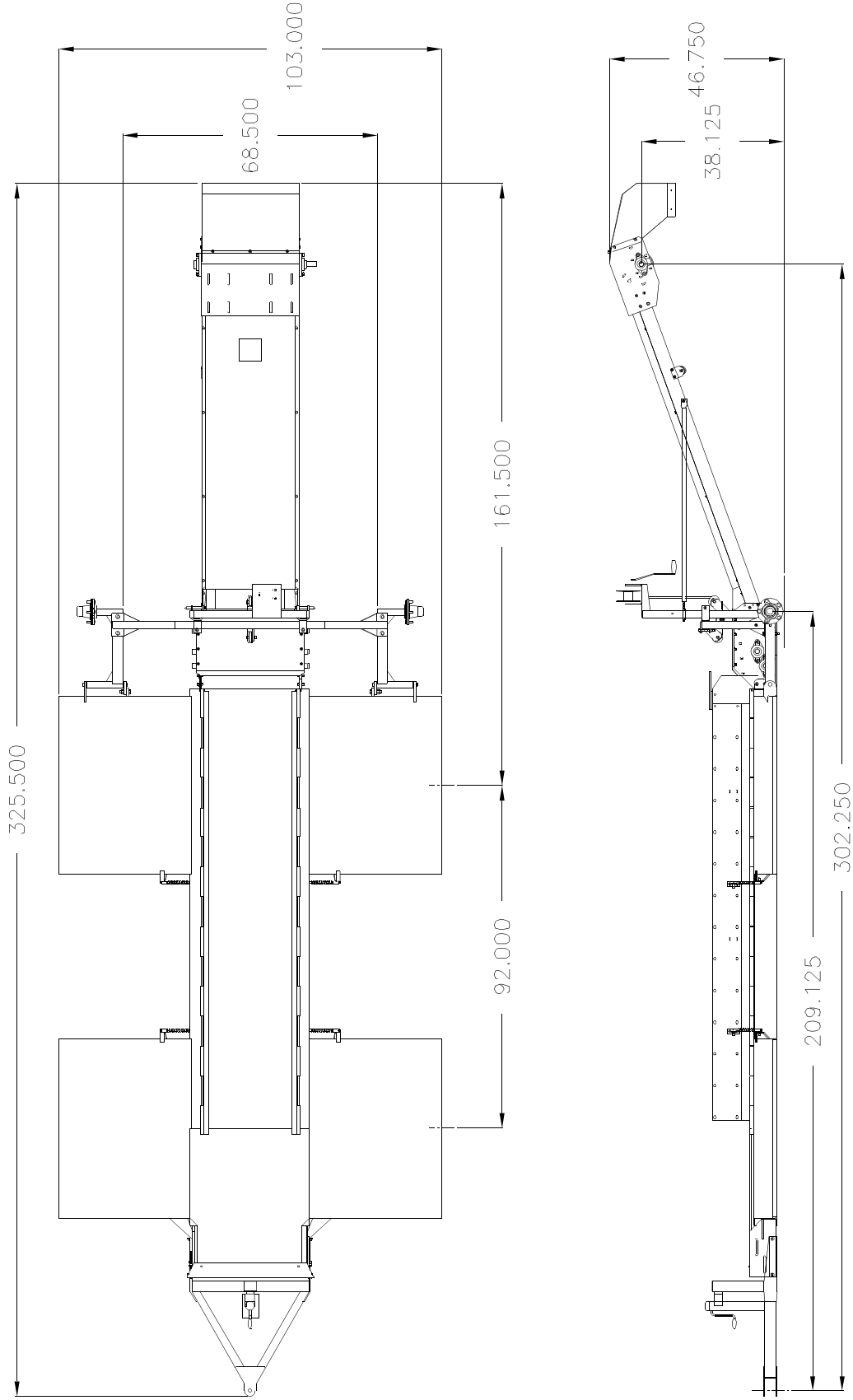
Drive Over-Pit™
Belt Accelerator -16"
Dimensional Drawing



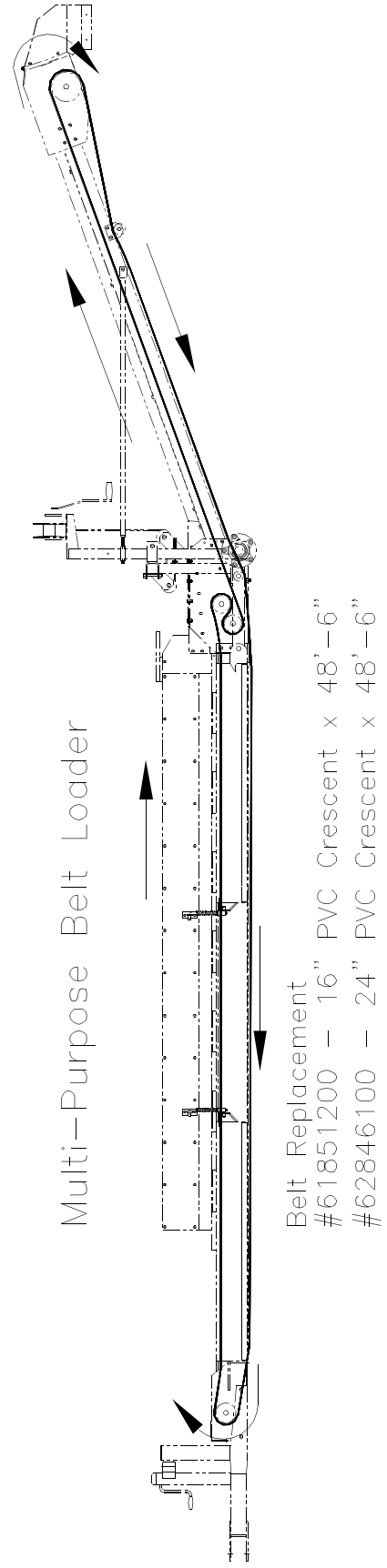
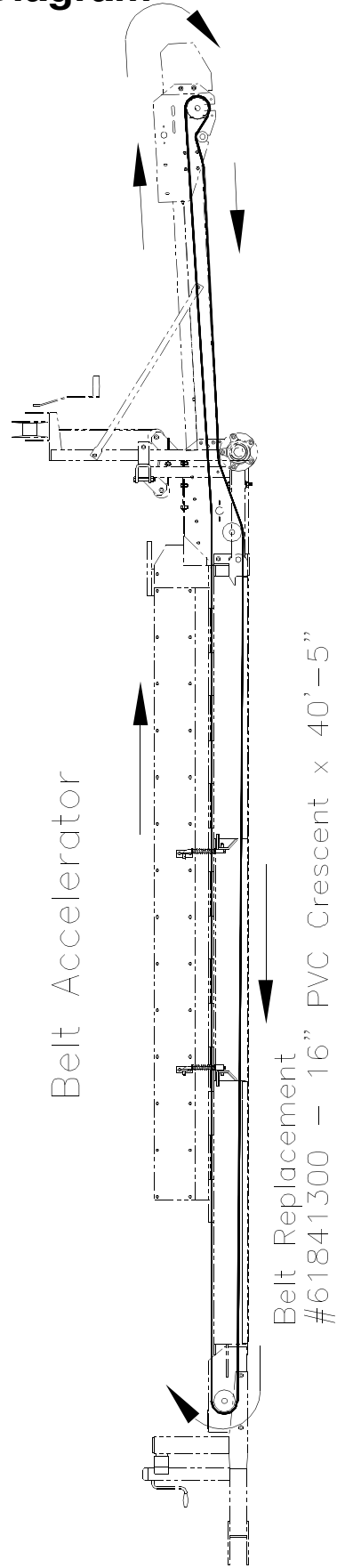
Drive Over-Pit™
Multi-Purpose Belt Loader - 16"
Dimensional Drawing



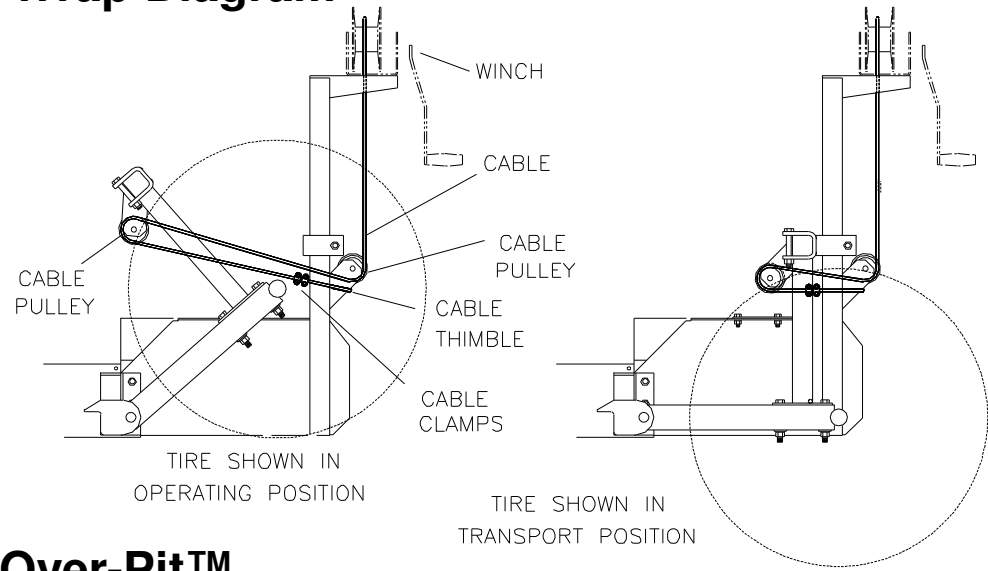
Drive Over-Pit™
Multi-Purpose Belt Loader - 24"
Dimensional Drawing



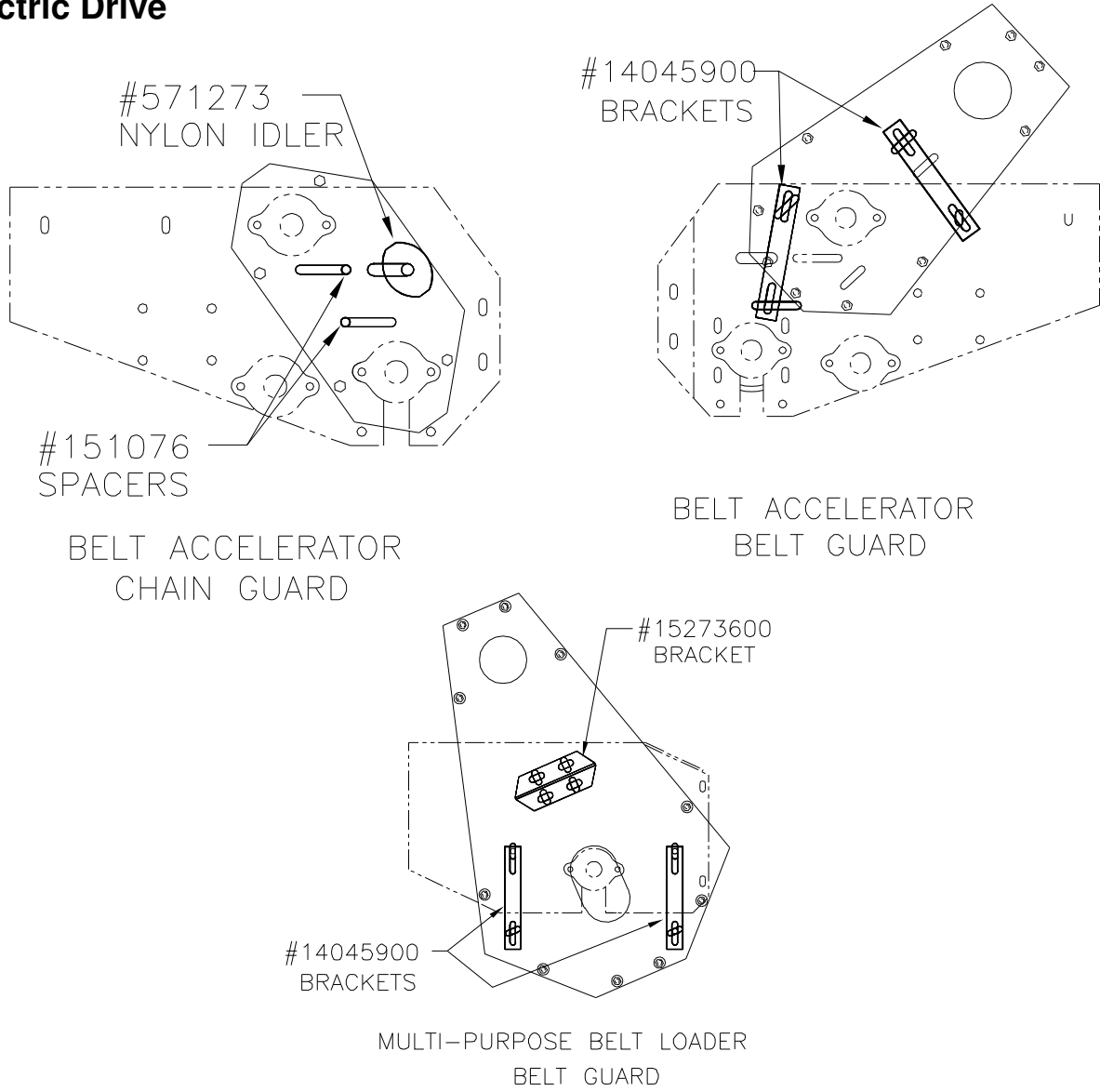
Drive Over-Pit™ Belt Wrap Diagram



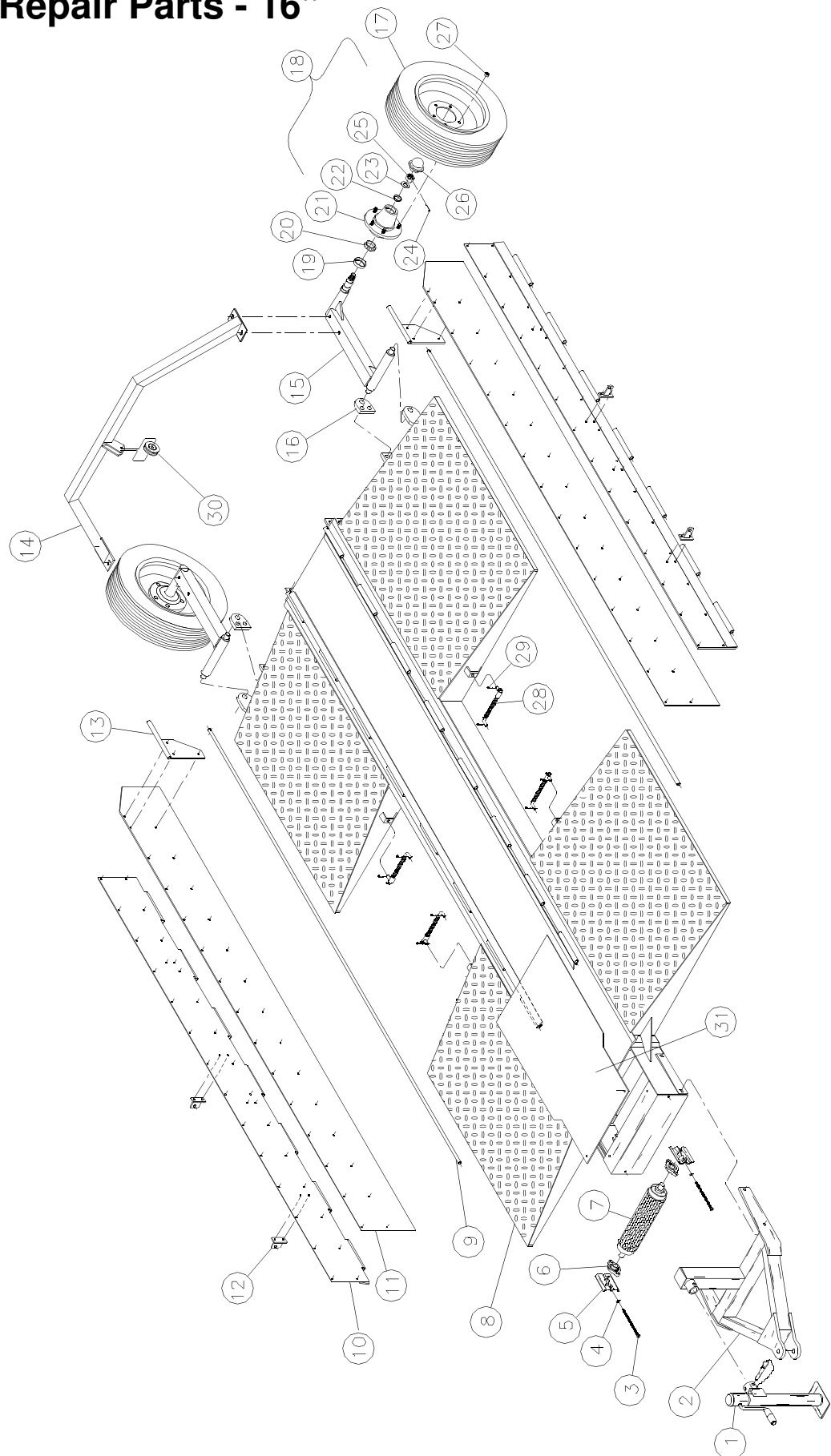
Drive Over-Pit™ Cable Wrap Diagram



Drive Over-Pit™ Guard Bracket Locations Electric Drive



Drive Over-Pit™
Ramp Repair Parts - 16"

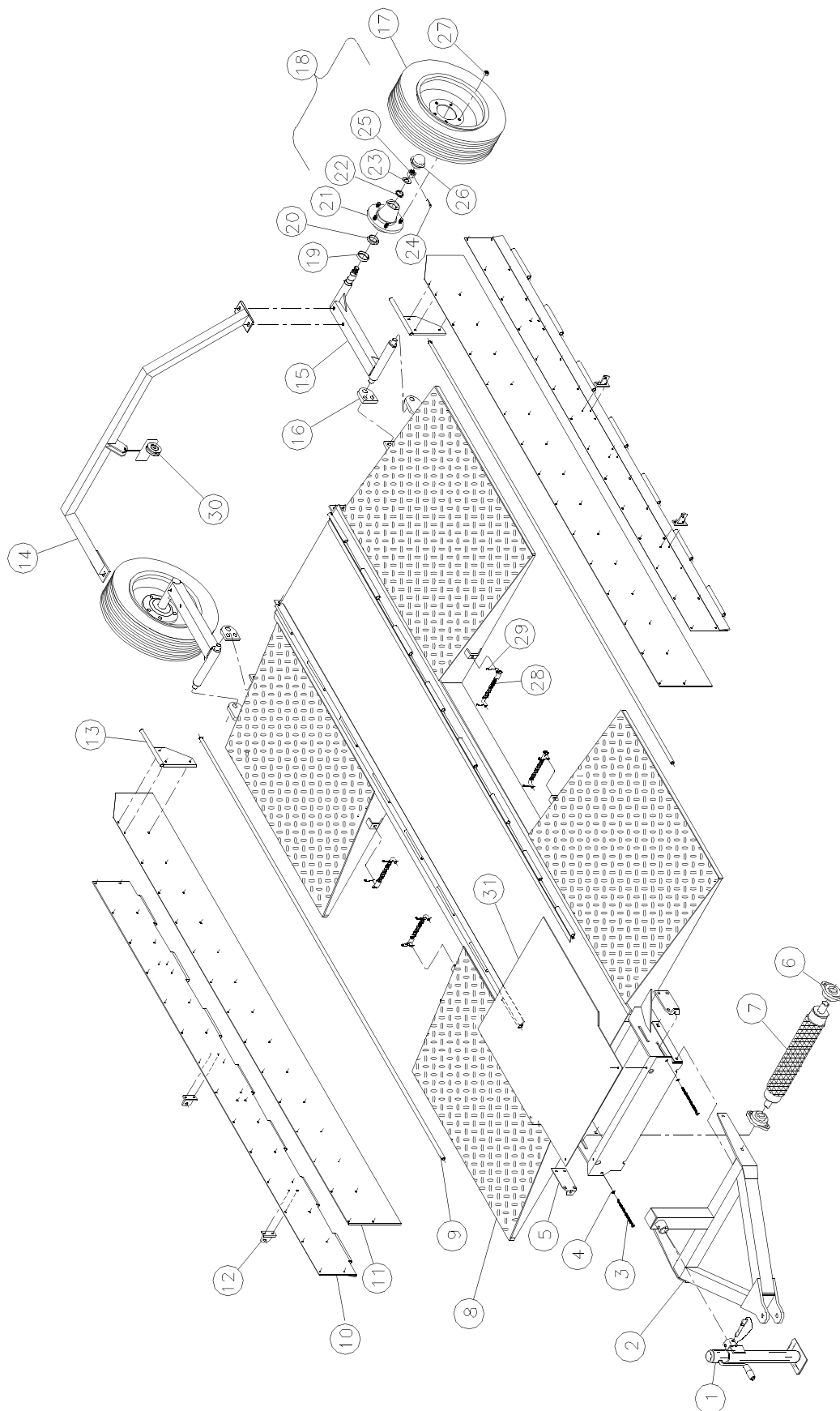


Drive Over-Pit™ Ramp Repair Parts - 16"

Item	Qty	Part No.	Description
1	1	530733	Jack 2000# Side Crank
2	1	81557100	Hitch Weldment
3	2	81634800	Take-up Bolt
4	2	332189	Square Nut 3/8"
5	2	13379300	Bearing Slide
6	2	03001500	Bearing 1" 2B Flange
7	1	62466800	Lagged Roller 3 1/2" w/ 1" x 19.75" shaft
8	1	81549800	Ramp Weldment
9	2	15229800	Shaft 1/2" x 119 7/8"
10	2	81555500	Skirtboard Weldment
11	2	15214000	Skirtboard
12	4	81571200	Skirtboard Spring Tab
13	2	81578700	Skirtboard Handle
14	1	81554800	Lifting Bridge
15	2	81552200	Wheel Arm Weldment
16	2	15184500	Wheel Arm Bracket

Item	Qty	Part No.	Description
17	2	807313	Tire & Wheel Assembly
		Includes:	
		530154	Tire 9.5L x 15-6 Ply
		530238	Wheel 5-Bolt 15" x 6"
		530287	Tire Valve Stem
		02990000	Decal Check Wheel Lugs
18	2	551242	Hub 5 Bolt Complete
		(Includes Items #19 thru #27)	
19	2	05702600	Hub Seal
20	2	03040300	Hub Bearing Inner
21	2	05707500	Hub 5 Bolt w/cups only
22	2	05741400	Hub Bearing Outer
23	2	02080000	Spindle Washer
24	2	02154300	Cotter Pin
25	2	331801	Spindle Nut
26	2	05703400	Hub Cap
27	2	336859	Lug Nut
28	4	831586	Skirtboard Spring Assy
29	8	330936	Cotter Pin 1/8" x 1"
30	1	68031400	Cable Pulley 3"
31	1	16268500	Belt Cover

Drive Over-Pit™ Ramp Repair Parts - 24"

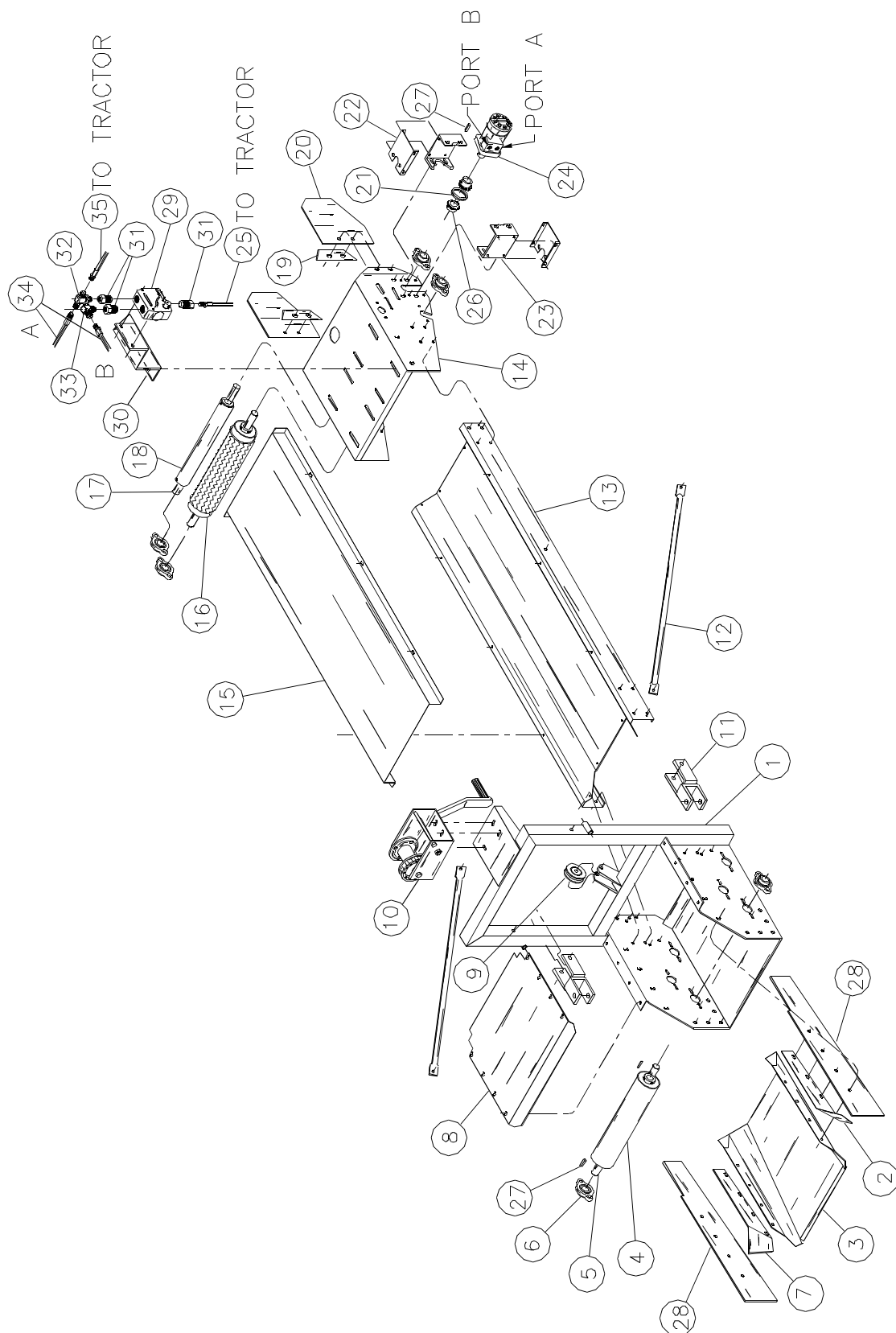


Drive Over-Pit™ Ramp Repair Parts - 24"

Item	Qty	Part No.	Description
1	1	530733	Jack 2000# Side Crank
2	1	82571100	Hitch Weldment
3	2	80661200	Take-up Bolt
4	2	332197	Square Nut 1/2"
5	2	20685400	Take-up Bracket
6	2	03018900	Bearing 1 5/16" 2B Flange
7	1	62842000	Lagged Roller 3 1/2" x 24" w/ 1 5/16" x 29" shaft
8	1	82570300	Ramp Weldment
9	2	15229800	Shaft 1/2" x 119 7/8"
10	2	81555500	Skirtboard Weldment
11	2	15214000	Skirtboard
12	4	81571200	Skirtboard Spring Tab
13	2	81578700	Skirtboard Handle
14	1	82572900	Lifting Bridge
15	2	81552200	Wheel Arm Weldment
16	2	15184500	Wheel Arm Bracket

Item	Qty	Part No.	Description
17	2	807313	Tire & Wheel Assembly
		Includes:	
		530154	Tire 9.5L x 15-6 Ply
		530238	Wheel 5-Bolt 15" x 6"
		530287	Tire Valve Stem
		02990000	Decal Check Wheel Lugs
18	2	551242	Hub 5 Bolt Complete
		(Includes Items #19 thru #27)	
19	2	05702600	Hub Seal
20	2	03040300	Hub Bearing Inner
21	2	05707500	Hub 5 Bolt w/cups only
22	2	05741400	Hub Bearing Outer
23	2	02080000	Spindle Washer
24	2	02154300	Cotter Pin
25	2	331801	Spindle Nut
26	2	05703400	Hub Cap
27	2	336859	Lug Nut
28	4	831586	Skirtboard Spring Assy
29	8	330936	Cotter Pin 1/8" x 1"
30	1	68031400	Cable Pulley 3"
31	1	20697900	Belt Cover
32	1	62860200	Motor Mount

Drive Over-Pit™ **Belt Accelerator Repair** **Parts -16"** **Hydraulic Drive**



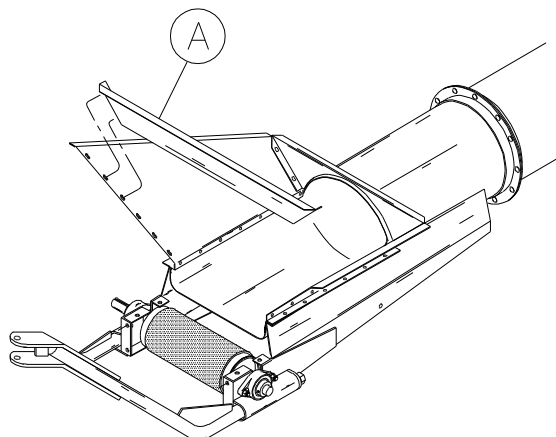
Drive Over-Pit™ Belt Accelerator Repair Parts -16" Hydraulic Drive

Item	Qty	Part No.	Description
1	1	81649600	Frame Weldment
2	1	15698400	Skirtboard Brace RH
3	1	15581200	Slide Pan
4	1	81339400	Roller 3 1/2" x 16"
5	1	15217300	Shaft 1"
6	6	03001500	Bearing 1" 2B Flange
7	1	15697600	Skirtboard Brace LH
8	1	15564800	Top Cap Seal
9	1	68031400	Cable Pulley 3"
10	1	07025000	Winch
	10'	05109400	Cable 1/4" Galvanized
11	2	913426	Clamp Weldment
12	2	15556400	Support Tube
13	1	81661100	5' Pan Weldment
14	1	14723100	Head Frame
15	1	81662900	Pan Cover
16	1	81535700	Lagged Roller 3 1/2"
17	1	19607100	Shaft 1"
18	1	84227800	Roller Weldment 2"
19	2	14811400	Skirtboard Strap
20	2	14810600	Skirtboard
21	1	05238100	Chain #40 Coupler x 16

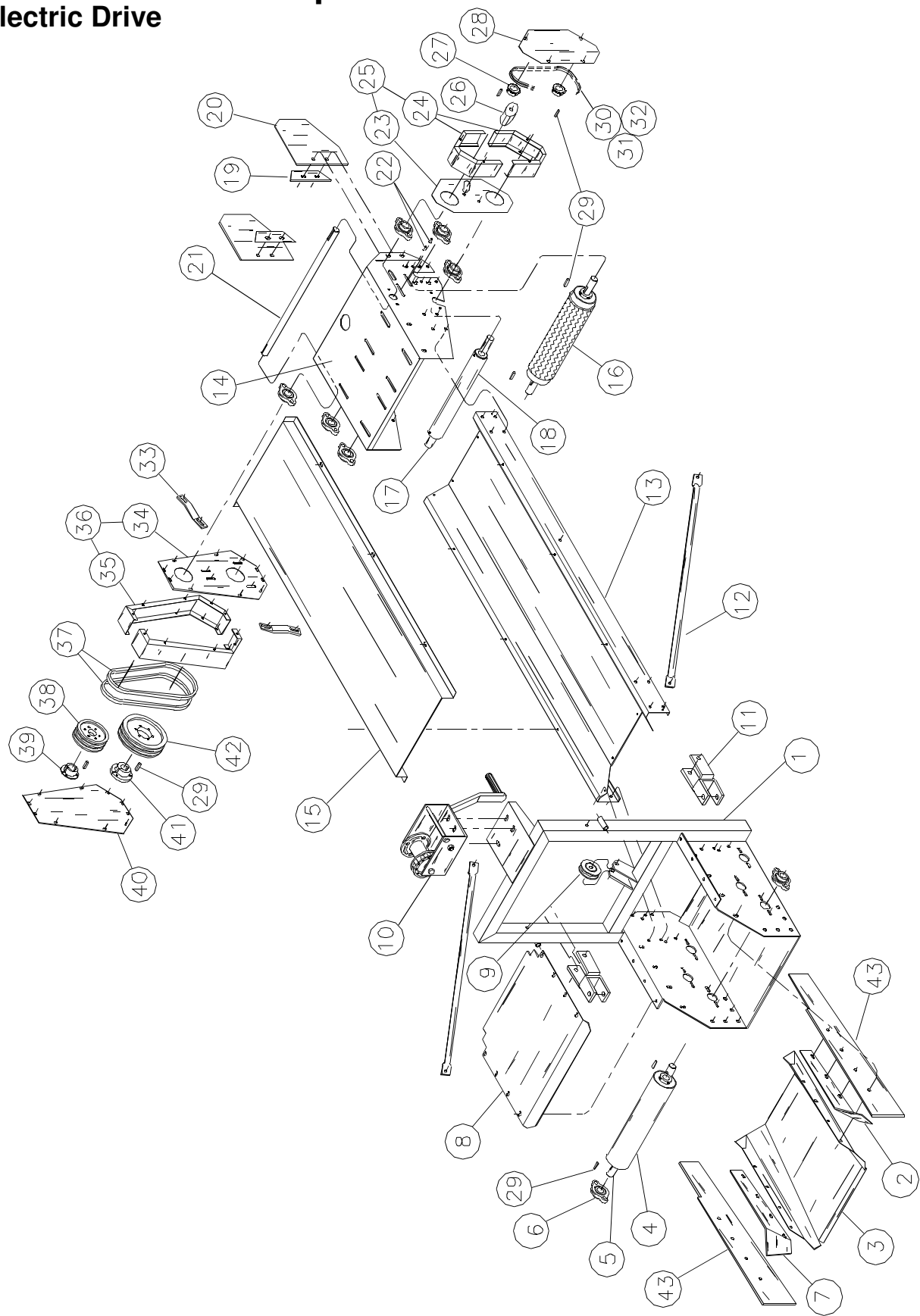
Item	Qty	Part No.	Description
22	2	14706600	Drive Guard (4 7/8")
	2	16974800	Drive Guard (6 1/2")
23	2	14705800	Drive Guard Side Plt (4 7/8")
	2	16973000	Drive Guard Side Plt (6 1/2")
24	1	01795400	Hyd Motor H-101-1001
		00409300	Seal Kit
25	1	62156500	Hose .500 x 240"
			.750 MOR (2)
26	2	05237300	Sprocket #40 16T
27	3	10490100	Key 1/4" x 1 1/4"
28	2	15758000	Seal
29	1	01436500	Flow Control Valve
30	1	16252900	Valve Mount
31	3	01435700	Adapter Straight
			1.063 MOR x .750 MOR
32	1	465260	Adapter Tee .750 JICM (2)
			x .750 Male Pipe
33	1	465310	Adapter 90°
			.750 MOR x .750 JICM
34	2	467506	Hose .500 x 48"
			.75 JICF Sw x .50 M Pipe
35	1	62157300	Hose .500 x 240"
			.750 MOR x .750 JICF Sw

NOTE:

When using a Belt Accelerator (Hydraulic or Electric Drive) to dump into a SpeedKing 14" BeltVeyor, attach hopper strap "A" (#20099800) to BeltVeyor.



Drive Over-Pit™
Belt Accelerator Repair Parts -16"
Electric Drive



Drive Over-Pit™

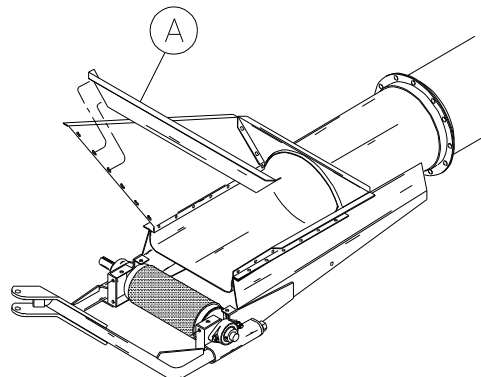
Belt Accelerator Repair Parts -16"

Electric Drive

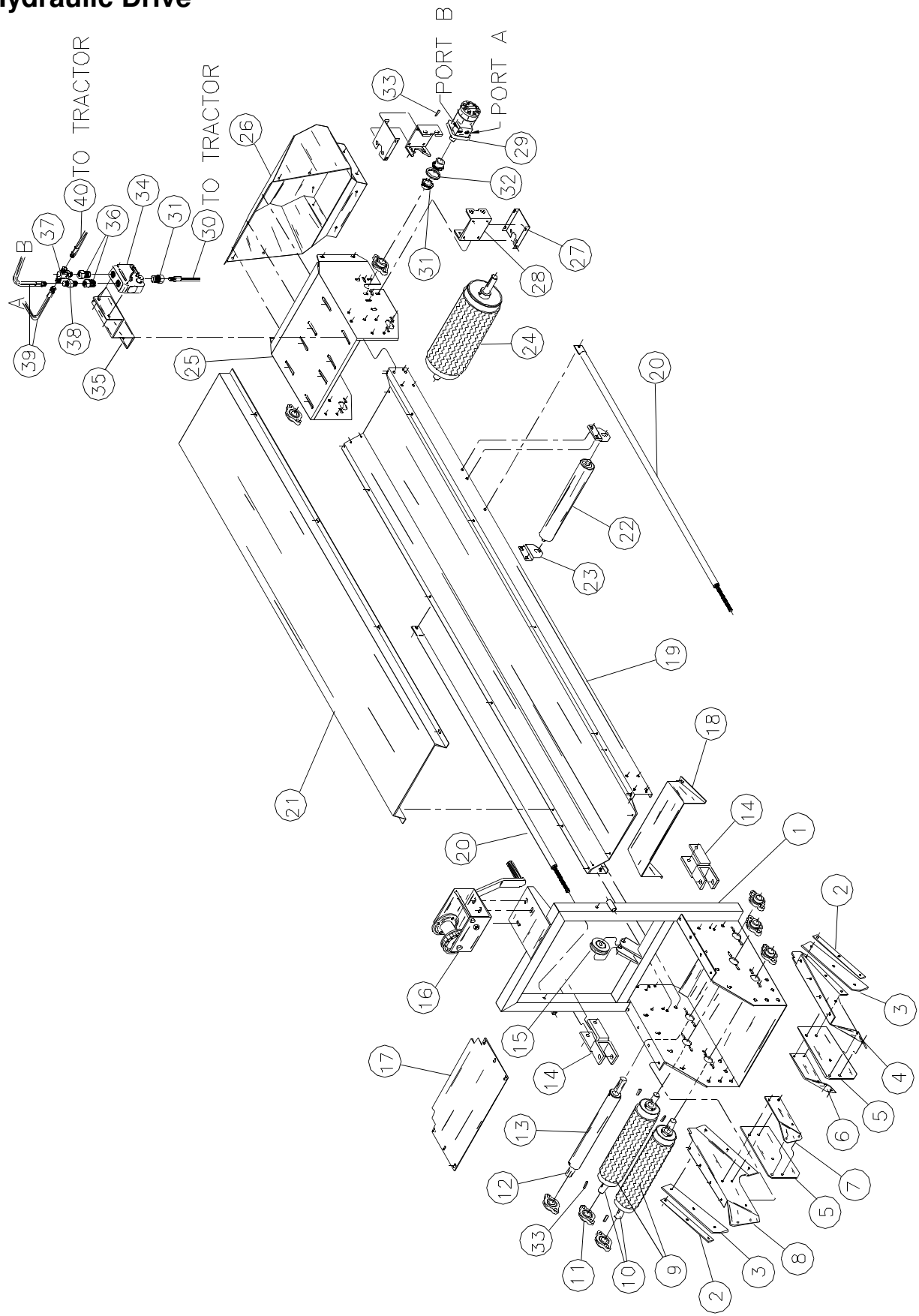
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	81649600	Frame Weldment	23	1	15108400	Chain Guard Back Plate
2	1	15698400	Skirtboard Brace RH	24	2	15103500	Chain Guard Side
3	1	15581200	Slide Pan	25	1	61813200	Chain Guard Assembly Includes #23 & #24
4	1	81339400	Roller 3 1/2" x 16"	26	1	571273	Nylon Idler
5	1	15217300	Shaft 1"	27	2	82581000	Sprocket #50 18T x 1"
6	8	03001500	Bearing 1" 2B Flange	28	1	15107600	Chain Guard Front Plate
7	1	15697600	Skirtboard Brace LH	29	6	10490100	Key 1/4" x 1 1/4"
8	1	15564800	Top Cap Seal	30	1	15114200	Chain #50 x 41 Pitches
9	1	68031400	Cable Pulley 3"	31	1	431387	Chain #50 Connector Link
10	1	07025000	Winch	32	1	431338	Chain #50 Offset Link
	10'	05109400	Cable 1/4" Galvanized	33	2	14045900	Belt Guard Bracket
11	2	913426	Clamp Weldment	34	1	15110000	Belt Guard Back Plate
12	2	15556400	Support Tube	35	2	15109200	Belt Guard Side
13	1	81661100	5' Pan Weldment	36	1	61814000	Belt Guard Assembly Includes #34 & #35
14	1	14723100	Head Frame	37	2	01376300	V-Belt B-34
15	1	81662900	Pan Cover	38	1	04301800	Sheave 2B 4.0 SH
16	1	81535700	Lagged Roller 3 1/2"	39	1	04388500	Bushing 1 1/8" SH QD
17	1	19607100	Shaft 1"	40	1	15113400	Belt Guard Front Plate
18	1	84227800	Roller Weldment 2"	41	1	04264800	Bushing 1" SDS QD
19	2	14811400	Skirtboard Strap	42	1	04303400	Sheave 2B 6.8 SDS
20	2	14810600	Skirtboard	43	2	15758000	Seal
21	1	15105000	Jackshaft 1"				
22	2	151076	Spacer				

NOTE:

When using a Belt Accelerator (Hydraulic or Electric Drive) to dump into a SpeedKing 14" BeltVeyor, attach hopper strap "A" (#20099800) to BeltVeyor.



Drive Over-Pit™ **Multi-Purpose Belt Loader Repair Parts-16"** **Hydraulic Drive**



Drive Over-Pit™

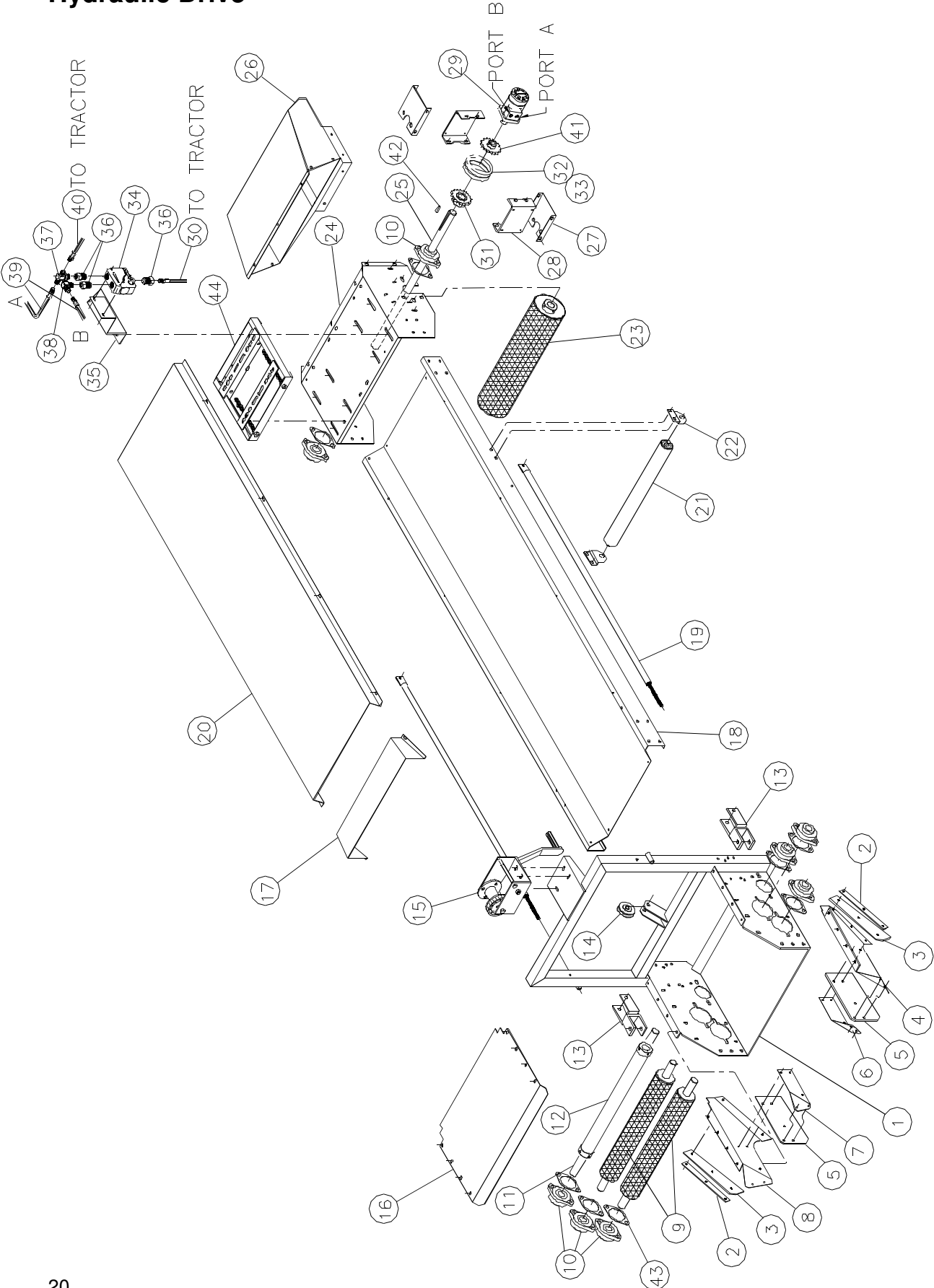
Multi-Purpose Belt Loader Repair Parts-16"

Hydraulic Drive

Item	Qty	Part No.	Description
1	1	81649600	S-Wrap Frame
2	2	15571300	Back-up Strap
3	2	15570500	Skirtboard
4	1	15565500	S-wrap Seal RH
5	2	15569700	S-wrap Skirtboard
6	1	15567100	S-wrap Seal Strap RH
7	1	15568900	S-wrap Seal Strap LH
8	1	15566300	S-wrap Seal LH
9	2	88558200	Lagged Roller 3 1/2"
10	2	15217300	Shaft 1" x 21 3/4"
11	8	03001500	Bearing 1" 2B Flange
12	1	14809800	Shaft 1" x 21 3/4"
13	1	84227800	Roller Weldment 2"
14	2	913426	Clamp
15	1	68031400	Cable Pulley 3"
16	1	07025000	Winch
17	10'	05109400	Cable 1/4" Galvanized
18	1	15564800	Top Cap Seal
19	1	15558000	Top Cap
20	1	81653800	8' Pan Weldment
21	2	81684300	Truss Bar Weldment
22	1	15560600	Pan Cover
23	1	60194800	Roller Assembly 2 3/8"
24	2	15240500	Roller Carrier Brackets

Item	Qty	Part No.	Description
24	1	81562100	Lagged Roller 6"
25	1	15662000	Head Frame
26	1	81563900	Spout Weldment
27	2	14706600	Drive Guard (4 7/8")
28	2	16974800	Drive Guard (6 1/2")
29	2	14705800	Drive Guard Side Plt (4 7/8")
30	2	16973000	Drive Guard Side Plt (6 1/2")
31	1	03129400	Hyd Motor H-101-1002
32	1	00409300	Seal Kit
33	1	62156500	Hose .500" x 240"
34	2	05237300	.750 MOR (2)
35	1	05238100	Sprocket #40 16T
36	5	10490100	Chain #40 Coupler x 16
37	1	01436500	Key 1/4" x 1 1/4"
38	1	16252900	Flow Control Valve
39	3	01435700	Valve Mount
40	1	465260	Adapter Straight
41	1	465310	1.063 MOR x .750 MOR
42	1	467506	Adapter Tee .750 JICM(2)
43	2	62157300	x .750 Male Pipe
44	1		Adapter 90°
45	2		.750 MOR x .750 JICM
46	1		Hose .500 x 48"
47	1		.75 JICF Sw x .50 M Pipe
48	1		Hose .500 x 240"
49	1		.750 MOR x .750 JICF Sw

Drive Over-Pit™
Multi-Purpose Belt Loader Repair Parts-24"
Hydraulic Drive



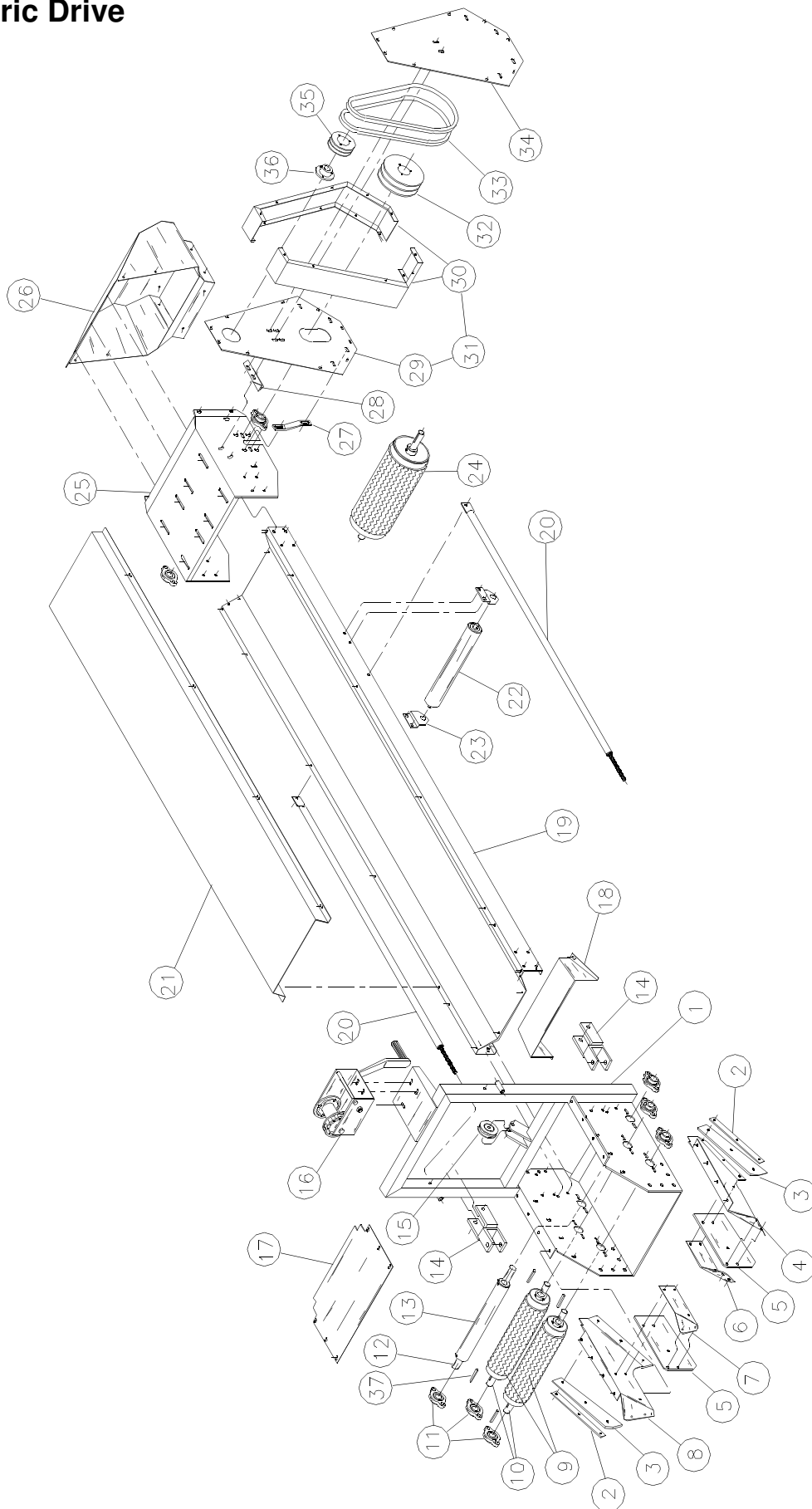
Drive Over-Pit™

Multi-Purpose Belt Loader Repair Parts-24"

Hydraulic Drive

Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	82577800	S-Wrap Frame	26	1	82574500	Spout
2	2	15571300	Back Up Strap	27	2	16974800	Drive Guard
3	2	15570500	Skirtboard	28	2	20702700	Drive Guard Side
4	1	15565500	S-Wrap Seal RH	29	1	03129400	Hydraulic Motor H-101-1002
5	2	15569700	S-Wrap Skirtboard			00409300	Seal Kit
6	1	15567100	S-Wrap Seal Strap RH	30	1	62156500	Hose 1/2" x 240"
7	1	15568900	S-Wrap Seal LH				3/4" MOR (2)
8	1	15566300	S-Wrap Seal Strap LH	31	1	82580200	Sprocket #50 18T -1 5/16"B
9	2	62843800	Lagged Roller 3 1/2" x 24"	32	1	433722	Chain #50-2 x 17 Pitch
			1 5/16" Bore x 31 1/4"	33	1	432039	Chain Connector #50-2
10	8	03018900	Bearing 1 5/16" 2B Flange	34	1	01436500	Flow Control Valve
11	1	20694600	Shaft 1 5/16" x 31 1/4"	35	1	16252900	Valve Mount
12	1	82578600	Roller 2 3/8" x 26"	36	3	01435700	Adapter Straight
13	2	913426	Clamp				1 1/16 MOR x 3/4 MOR
14	1	68031400	Cable Pulley 3"	37	1	465260	Adapter Tee
15	1	07025000	Winch				3/4 JICM (2) x 3/4 MOR
	10'	05109400	Cable 1/4" Galvanized	38	1	465310	Adapter 90°
16	1	20695300	Top Cap Seal				3/4 MOR x 3/4 JICM
17	1	20696100	Top Cap	39	2	467506	Hose 1/2" x 48"
18	1	82573700	8' Pan				3/4 JICF SW x 1/2 MP
19	2	81684300	Truss Bar	40	1	62157300	Hose 1/2" x 240"
20	1	20681300	Pan Cover				3/4 MOR x 3/4 JICF Sw
21	1	60195500	Roller Assembly 2 3/8"	41	1	82581000	Sprocket #50 18T -1"B
22	2	15240500	Roller Carrier Bracket	42	1	10682300	Key 5/16" x 1 1/4"
23	1	60197100	Lagged Roller 6"	43	8	20707600	Bearing Plate
24	1	20680500	Head Frame	44	1	62860200	Motor Mount Assembly
25	1	20698700	Shaft 1 5/16" x 33 1/4"				

Drive Over-Pit™ Multi-Purpose Belt Loader Repair Parts-16" Electric Drive



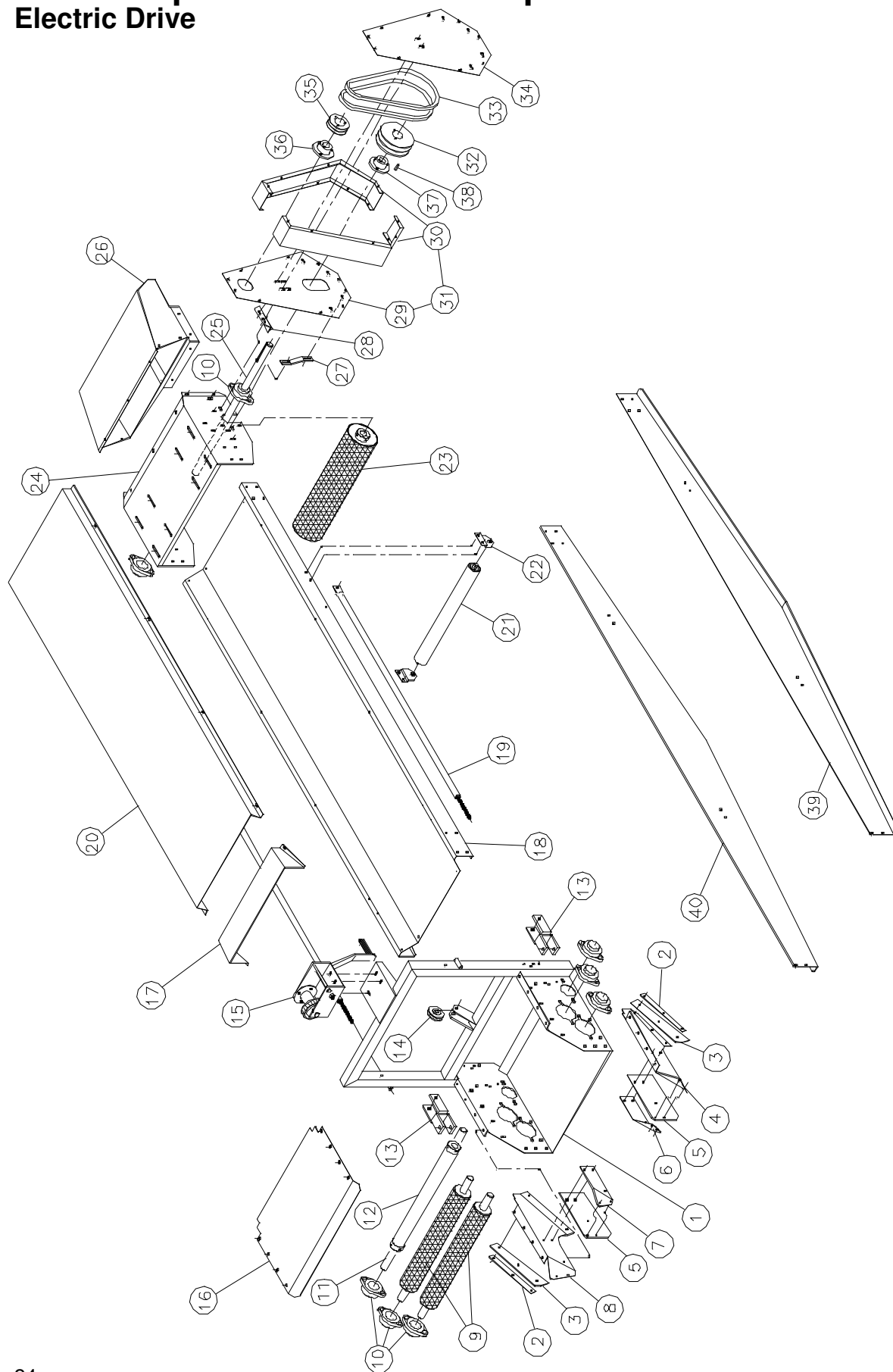
Drive Over-Pit™

Multi-Purpose Belt Loader Repair Parts-16"

Electric Drive

Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	81649600	S-Wrap Frame	20	2	81684300	Truss Bar Weldment
	1	83075200	S-Wrap Fame -25° Incline	21	1	15560600	Pan Cover 8'
2	2	15571300	Back-up Strap		1	31488000	Pan Cover 7½'
3	2	15570500	Skirtboard				-25° Incline
4	1	15565500	S-wrap Seal RH	22	1	60194800	Roller Assembly 2 3/8"
5	2	15569700	S-wrap Skirtboard	23	2	15240500	Roller Carrier Brackets
6	1	15567100	S-wrap Seal Strap RH	24	1	81685000	Lagged Roller 6"
7	1	15568900	S-wrap Seal Strap LH	25	1	15662000	Head Frame
8	1	15566300	S-wrap Seal LH	26	1	81563900	Spout Weldment
9	2	88558200	Lagged Roller 3 1/2"	27	2	14045900	Belt Guard Bracket
10	2	15217300	Shaft 1" x 21 3/4"	28	1	15273600	Belt Guard Bracket
11	8	03001500	Bearing 1" 2B Flange	29	1	15664600	Belt Guard Back Plate
12	1	14809800	Shaft 1" x 21 3/4"	30	2	15663800	Belt Guard Sides
13	1	84227800	Roller Weldment 2"	31	1	61976700	Belt Guard Assembly
14	2	913426	Clamp				(Includes #30 & #31)
15	1	68031400	Cable Pulley 3"	32	1	04259800	Sheave 2B 12.0 1"Bore
16	1	07025000	Winch	33	2	03209400	V-Belt B-52
	10'	05109400	Cable 1/4" Galvanized	34	1	15665300	Belt Guard Front Plate
17	1	15564800	Top Cap Seal	35	1	04293700	Sheave 2B 3.6 SH
18	1	15558000	Top Cap	36	1	04374500	Bushing 1 3/8" SH QD
19	1	81653800	8' Pan Weldment				
	1	83076000	7½' Pan -25° Incline				

Drive Over-Pit™ Multi-Purpose Belt Loader Repair Parts-24" Electric Drive



Drive Over-Pit™

Multi-Purpose Belt Loader Repair Parts-24"

Electric Drive

Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	82577800	S-Wrap Frame	19	2	81684300	Truss Bar
	1	83064600	S-Wrap Frame -25° Incline	20	1	20681300	Pan Cover 8'
2	2	15571300	Back Up Strap		1	31351000	Pan Cover 10' -25° Incline
3	2	15570500	Skirtboard	21	1	60195500	Roller Assembly 2 3/8"
4	1	15565500	S-Wrap Seal RH	22	2	15240500	Roller Carrier Bracket
5	2	15569700	S-Wrap Skirtboard	23	1	60197100	Lagged Roller 6"
6	1	15567100	S-Wrap Seal Strap RH	24	1	206680500	Head Frame
7	1	15568900	S-Wrap Seal LH	25	1	20698700	Shaft 1 5/16" x 33 1/4"
8	1	15566300	S-Wrap Seal Strap LH	26	1	82574500	Spout
9	2	62843800	Lagged Roller 3 1/2" x 24"	27	2	14045900	Belt Guard Bracket
			1 5/16" Bore x 31 1/4"	28	1	31396500	Belt Guard Bracket
10	8	03018900	Bearing 1 5/16" 2B Flange	29	1	15664600	Belt Guard Back
11	1	20694600	Shaft 1 5/16" x 31 1/4"	30	2	15663800	Belt Guard Side
12	1	82578600	Roller 2 3/8" x 26"	31	1	61976700	Belt Guard Assembly
13	2	913426	Clamp	32	1	00412700	Sheave 2B 11.0 SK
14	1	68031400	Cable Pulley 3"	33	2	03822400	V-belt B-54
15	1	07025000	Winch	34	1	15665300	Belt Guard Front
	10'	05109400	Cable 1/4" Galvanized	35	1	04293700	Sheave 2B 3.6 SH
16	1	20695300	Top Cap Seal	36	1	04374500	Bushing 1 3/8 SH QD
17	1	20696100	Top Cap	37	1	04415600	Bushing 1 5/16 SK
18	1	82573700	8' Pan	38	1	10682300	Key 5/16" x 1 1/4"
	1	83027300	10' Pan -25° Incline	39	1	31466600	Truss Bar Bracket Right
				40	1	31467400	Truss Bar Bracket Left

Assembly Instructions

CAUTION: Most component parts of the Drive Over-Pit™ Belt Accelerator as well as the Multi-Purpose Belt Loader are heavy. Use a safe lifting device when unloading and during the assembly process.

Pre-Assembly Notes:

Fasteners may vibrate loose during shipping. It is recommended you check nuts, bolts, set screws, and sheave alignment on pre-assembled parts prior to start-up.

Before starting assembly procedures, refer to the illustrated parts lists and familiarize yourself with these parts.

Open the parts carton and lay out parts for easy identification.

Assembly Instructions

Belt Accelerator - Electric Drive

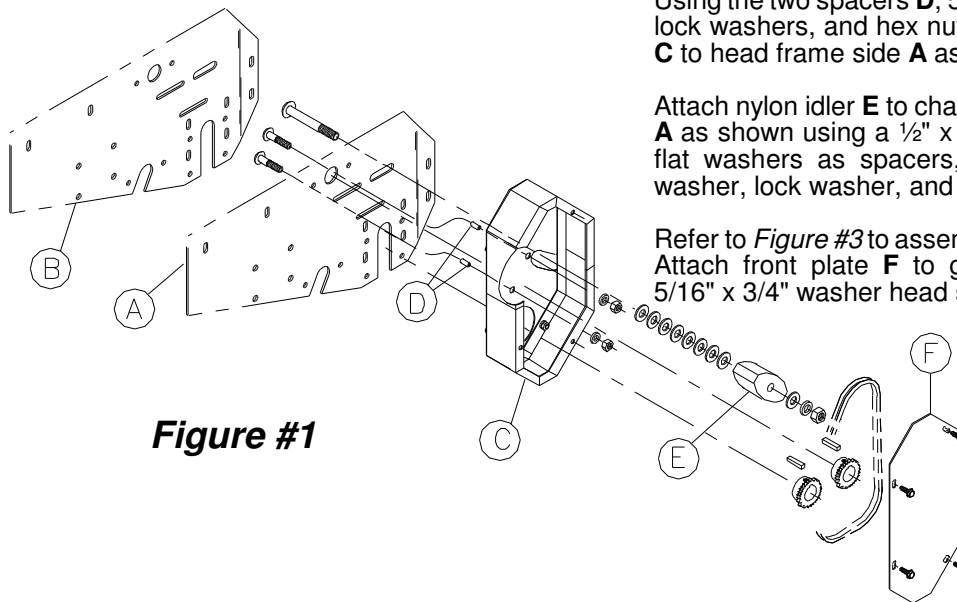


Figure #1

Refer to belt guard bracket locations on page 7. Using the two spacers **D**, 5/16" X 1 1/2" carriage bolts, lock washers, and hex nuts, assemble chain guard **C** to head frame side **A** as shown.

Attach nylon idler **E** to chain guard **C** on head frame **A** as shown using a 1/2" x 3 1/2" carriage bolt, eight flat washers as spacers, and secure with a flat washer, lock washer, and hex nut.

Refer to *Figure #3* to assemble sprockets and chain. Attach front plate **F** to guard assembly **C** using 5/16" x 3/4" washer head self tapping screws.

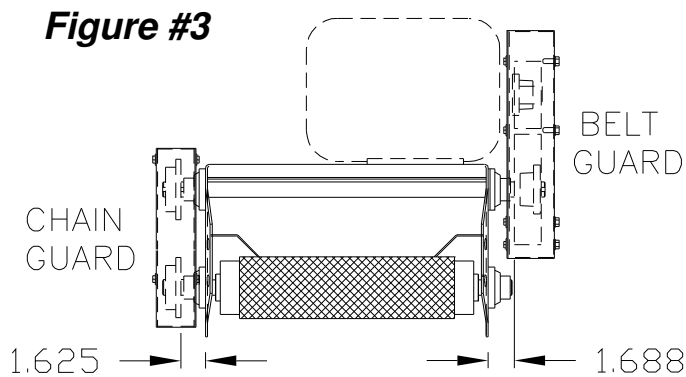


Figure #3

Refer to *Figure #2* and attach belt guard brackets **G** to head frame side **B** using 5/16" x 1 1/2" carriage bolts, flat washers, lock washers, and hex nuts. Attach the belt guard assembly **H** on the other end of brackets **G** using 5/16" x 1 1/2" carriage bolts, flat washers, lock washers, and hex nuts.

Bolt the motor to head frame using 3/8" x 1 1/2" HHCS, flat washers, hex nuts, and lock washers. Refer to *Figure #3* to assemble and align sprockets and chains. Attach front plate **I** to belt guard assembly **H** using 5/16" x 3/4" washer head self tapping screws.

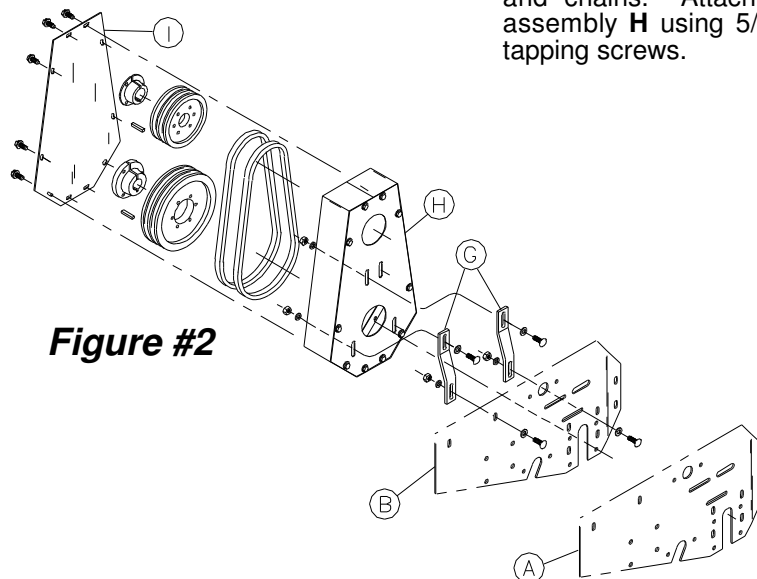


Figure #2

Assembly Instructions

Multi-Purpose Belt Loader - Electric Drive

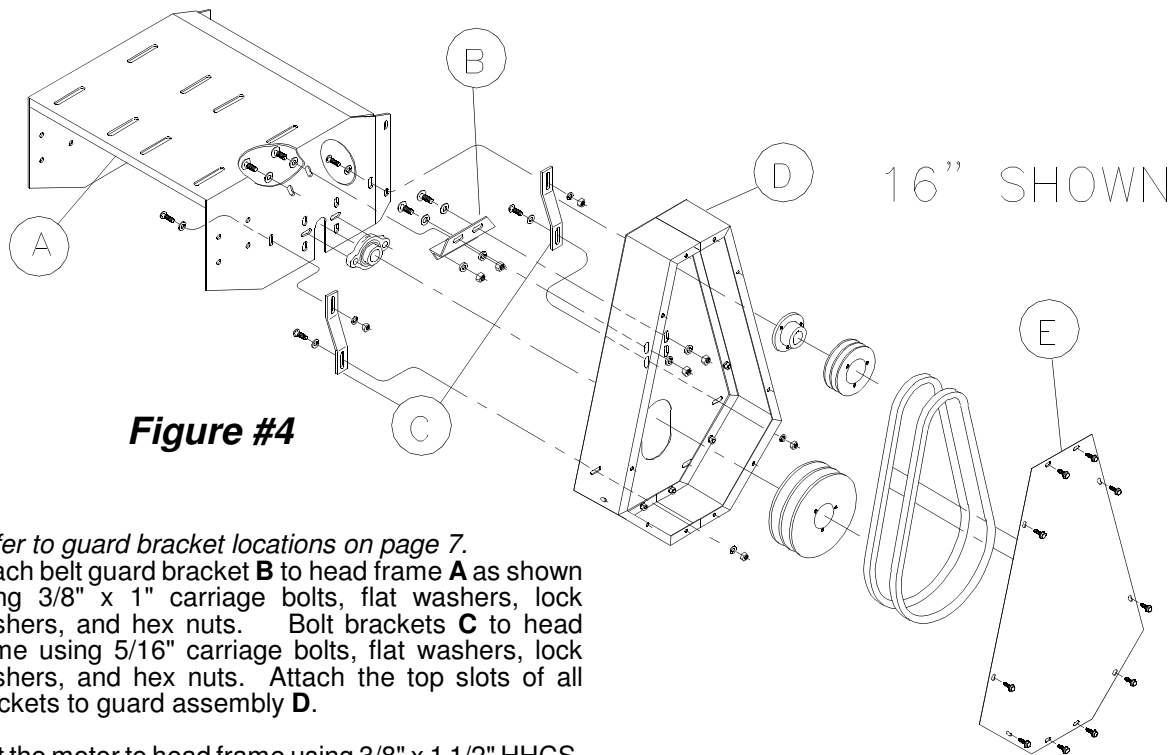


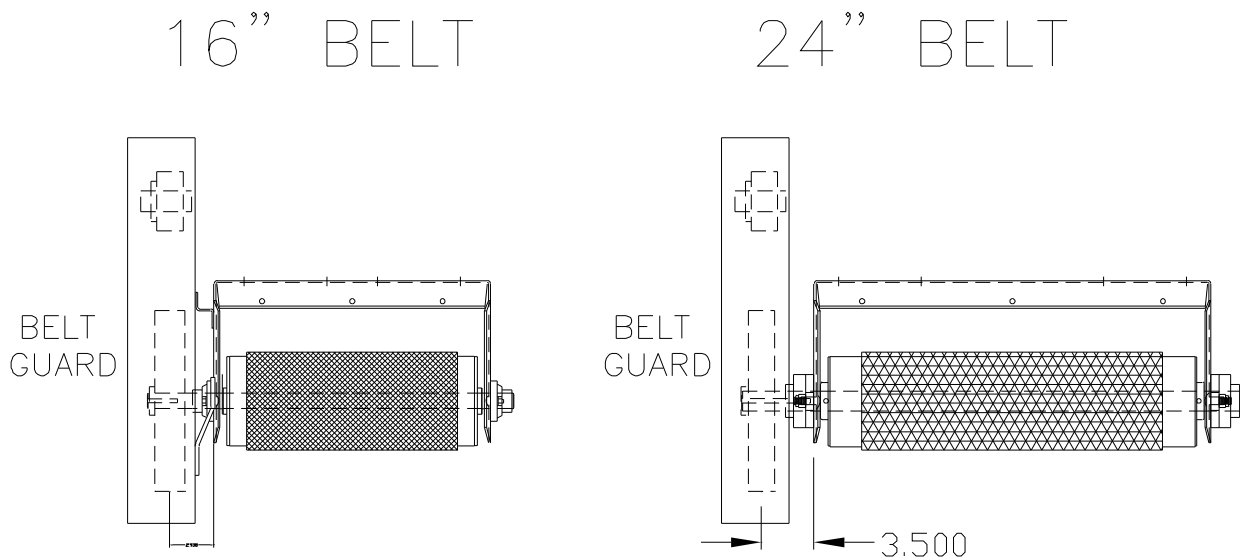
Figure #4

Refer to guard bracket locations on page 7.

Attach belt guard bracket **B** to head frame **A** as shown using 3/8" x 1" carriage bolts, flat washers, lock washers, and hex nuts. Bolt brackets **C** to head frame using 5/16" carriage bolts, flat washers, lock washers, and hex nuts. Attach the top slots of all brackets to guard assembly **D**.

Bolt the motor to head frame using 3/8" x 1 1/2" HHCS, flat washers, hex nuts, and lock washers. Refer to *Figure #5* to assemble and align sheaves and belts. Attach front plate **E** to belt guard assembly **D** using 5/16" x 3/4" washer head self tapping screws.

Figure #5





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