



SBH-01

## Parma Sugarbeet Harvester

Effective:

**2900 Series - Rear Elevator w/4-Ton Hopper**  
Standard Equipment

October 1, 2016

Rubber Backing on Paddles  
LED Working & Caution Lights  
Large Grabroll Bed w/1-15/16" Welded Stub Shafts  
(6 Rolls in 2960 Series) (8 Rolls in 2980 Series)  
Holding Tank, 55" Wide w/ 48" Chain, Appx. 4 Ton  
Electric Control Box for Tractor Cab  
Combination Mechanical / Tractor Hydraulic Drive  
**Note: Required Tractor Hyd System - 30 GPM  
at remote and 3000PSI capability**  
Four-Groove Belt Drive on Model 2960 Series

Six-Groove Belt drive on Model 2980 Series  
Fold Down Discharge Elevator with Dual Cylinders  
43 1/2" "High Capacity" Wide Rear Elevator  
RC80 Chain Drives Throughout  
Two Hydraulic Lift Cylinders  
56 mm Belted Chain in Rear Elevator and in Tank  
Wear Slats in Hopper  
Heavy Duty Tongue Swivel Hitch  
Hose Kit for Tractor Hookup  
Rear Elevator Installed and Test Run

Order Number	Description	List Price
<b>Base Unit - Specify Row Spacing on Order</b>		
	Model 29643 Harvester - 4 Row 30" - 6 Grabroll (Rock)	102,882.00
1268652	Model 29643 Harvester - 4 Row 30" - 6 Grabroll (Non Rock)	98,917.00
	Model 29843 Harvester - 4 Row 30" - 8 Grabroll (Non Rock)	99,448.00
1267805	Model 2966 Harvester - 6 Row 19" - 20" Narrow Row Strut (Non-Rock)	106,504.00
1267806	Model 2966 Harvester - 6 Row 19" - 20" Narrow Row Cushion Strut (Rock)	111,537.00
1267807	Model 2966 Harvester - 6 Row 21" - 24" Wide Row Strut (Non-Rock)	106,504.00
1267808	Model 2966 Harvester - 6 Row 21" - 24" Wide Row Cushion Strut (Rock)	111,537.00
	Model 29862 Harvester - 6 Row 22" 8 Grabroll Rock	118,831.00
	Model 29864 Harvest - 6 Row 24" Wide Row Cushion Strut (Rock)	115,396.00
1267809	Model 2986 Harvester - 6 Row 28" - 30" Wide Row Strut (Non-Rock)	116,558.00
1267810	Model 2986 Harvester - 6 Row 28" - 30" Wide Row Cushion Strut (Rock)	121,057.00
1267811	Model 2988 Harvester - 8 Row 19" - 20" Narrow Row Strut (Non-Rock)	123,398.00
1267812	Model 2988 Harvester - 8 Row 19" - 20" Narrow Row Cushion Strut (Rock)	129,935.00
1267813	Model 2988 Harvester - 8 Row 21" - 22" Wide Row Strut (Non-Rock)	123,398.00
1267814	Model 2988 Harvester - 8 Row 21" - 22" Wide Row Cushion Strut (Rock)	129,935.00
1268497	Model 29884 Harvester - 8 Row 24" - 8 Grabroll (Rock)	137,253.00
1268701	Model 29683 Harvester - 8 Row 30" - 6 Grabroll (Non Rock) 24480#	139,881.00
<b>Completing Packages - Order one item from each section for a complete harvester</b>		
<b>Rear Wheel Strut Assemblies</b>		
1267825	Steerable, One Way, 19" to 30" Rows, 11.2 x 24 Lug Tires	10,341.00
1267826	Steerable, Two Way-Rtn to Straight, 19" to 30" Rows, 11.2 x 24 Lug Tires	11,008.00
1268476	Steerable, Two Way-Rtn to Straight, 24" HD Wheels, 22" Rows - 2900	12,597.00
1268693	Steerable, Two Way-Rtn to Straight, 24" HD Wheels, 30" Rows - 2900	13,981.00
1268423	Steerable, Two Way-Rtn to Straight, Floater 21.5 x 16.1 Tires	14,008.00
1268327	Non-Steerable, 19" to 30" Rows, 11.2 x 24 Lug Tires	5,482.00



SBH-02

**Parma Sugarbeet Harvester**

Effective:

**2900 Series - Rear Elevator**

October 1, 2016

**PTO Driveline Assembly**

1991097	Standard PTO w/ 1 3/8 - 21 Spline Yoke	995.00
1991096	Standard PTO w/ 1 3/4 - 20 Spline Yoke	995.00
1268450	CV PTO w/ 1 3/8 - 21 Spline Yoke	1,956.00
1268451	CV PTO w/ 1 3/4 - 20 Spline Yoke	1,956.00

**Optional Equipment****Self Contained Hydraulic Kit**

1267828	Self Contained Hydraulic Kit (2960 Series) - Instead of Standard	6,226.00
1267828	Self Contained Hydraulic Kit (2980 Series) - Instead of Standard	6,226.00

**Control Valves - Order as needed to match hydraulic needs.**

1265725	2-Bank Electric Solenoid Control Valve	4,107.00
1265726	3-Bank Electric Solenoid Control Valve	5,406.00
1265727	4-Bank Electric Solenoid Control Valve	7,081.00
269029	4-Bank Valve Closed Center - Non Convertible, Non Stackable.	2,957.00

**Added Options - Order as Needed**

1268278	Rowfinder, Breakaway - Includes Cyl, Hoses, and Fittings (Includes Installation)	2,865.00
1267149	Tongue Cylinder Kit - Includes Cylinder and Hoses (Not needed with Rowfinder)	491.00
1266567	Lifter Wheel Spacer Kit - Order 1 Kit per Row	45.00
266348	Spacer 1/4" For Scraper (Bottom Mount)	5.00
1267831	Mud Flap Kit for Grabrolls (Model 2960 Series)	859.00
1267832	Mud Flap Kit for Grabrolls (Model 2986)	892.00
1267753	Mud Flap Kit for Grabrolls (Model 2988)	938.00
1266473	Ladder and Platform (Model 2960 Series)	1,597.00
1266516	Ladder and Platform (Model 2980 Series)	1,604.00
268371	Boom Extension 24" 48" Wide (Standard on 8-Row)	825.00
1282210	SMV Sign Assembly	37.00
268351	Front Jack Stand, Pair - Order One Per Harvester	679.00
266986	Wide Row Lifter Wheel Scrapers Top Mount [Per Row]	350.00
267221	Wide Row Lifter Wheel Scrapers-Bottom Mount (Inc'd in Base Price) Per Row	118.00
	See Installation Package Sheet #SBH-06 for assembling options	

**Fafnir Bearing Upgrade: (Less Grabroll Bearings)**

1268861	Fafnir Bearing Upgrade (Model 2960)	4,712.00
1268862	Fafnir Bearing Upgrade (Model 2980)	6,088.00

**Rowfinder****Strut Mounted:**

998408	Rowfinder w/Cylinder, Hoses & Mounting Bracket	2505.00
998200	Rowfinder w/Mounting Bracket	2098.00

**Breakaway Mounted:**

266464	Rowfinder w/Cylinder, Hoses & Mounting Bracket	2805.00
266412	Rowfinder w/Mounting Bracket	2326.00
267977	Breakaway Mount	301.00



SBH-03

## Parma Sugarbeet Harvester

Effective:

**2200 Series - Wheel Lift**  
Standard Equipment

October 1, 2016

Large Grabroll Bed with 8 Rolls - 1 15/16" Shafts  
Hydraulically Powered Wheel Beet Lift System  
Holding Tank, 55" Wide w/ 48" Chain Appx 4 Ton  
Rubber Backing on Paddles  
Electric Control Box for Tractor Cab  
Self Contained Hydraulic System  
Tractor Hydraulics for Tank Unloading

**Note: Required Tractor Hyd System - 30 GPM  
at remote and 3000PSI capability**  
Five-Groove Belt Drive on Model 2260 Series

Six-Groove Belt Drive on Model 2280 Series  
Fold Down Discharge Elevator with Dual Cylinders  
RC80 Paddle & Hopper Drive Chains  
Two Hydraulic Lift Cylinders  
Heavy Duty Tongue Swivel Hitch  
56 mm Belted Chain  
Steerable Rear Flootation Struts  
Hose Kit for Tractor Hookup  
LED Working & Caution Lights  
Wear Slats in Hopper  
Ladder & Platform

Order Number	Description	List Price
<b>Base Unit - Specify Row Spacing on Order</b>		
1267815	Model 2266 Wheel Lift Harvester - 6 row 19" - 20" Narrow Row Strut (Non-Rock)	124,529.00
1267816	Model 2266 Wheel Lift Harvester - 6 row 19" - 20" Narrow Row Strut (Rock)	127,389.00
1267817	Model 2266 Wheel Lift Harvester - 6 row 21" - 24" Wide Row Strut (Non-Rock)	124,529.00
1267818	Model 2266 Wheel Lift Harvester - 6 row 21" - 24" Wide Row Strut (Rock)	127,389.00
1267819	Model 2286 Wheel Lift Harvester - 6 row 28" - 30" Wide Row Strut (Non-Rock)	130,524.00
1267820	Model 2286 Wheel Lift Harvester - 6 row 28" - 30" Wide Row Strut (Rock)	140,120.00
1267821	Model 2288 Wheel Lift Harvester - 8 row 19" - 20" Narrow Row Strut (Non-Rock)	142,461.00
1267822	Model 2288 Wheel Lift Harvester - 8 row 19" - 20" Narrow Row Strut (Rock)	148,657.00
1267823	Model 2288 Wheel Lift Harvester - 8 row 22" Wide Row Strut (Non-Rock)	141,335.00
1267824	Model 2288 Wheel Lift Harvester - 8 row 22" Wide Row Strut (Rock)	149,169.00
<b>Completing Packages - Order one item from each section for a complete harvester</b>		
<b>Rear Wheel Strut Assemblies</b>		
1268951	Steerable, Two Way-Rtn to Straight, Flootation Tires 2260	17,345.00
<b>PTO Driveline Assembly</b>		
1991097	Standard PTO w/ 1 3/8 - 21 Spline Yoke	995.00
1991096	Standard PTO w/ 1 3/4 - 20 Spline Yoke	995.00
1268450	CV PTO w/ 1 3/8 - 21 Spline Yoke	1,956.00
1268451	CV PTO w/ 1 3/4 - 20 Spline Yoke	1,956.00
<b>Fafnir Bearing Upgrade (Less Grabroll Bearings)</b>		
1268863	Fafnir Bearing (Model 2260)	5,799.00
1268864	Fafnir Bearing (Model 2280)	6,477.00

Model 2266	Tongue Through Elevator	20'10"	21760#
Model 2288	Tongue Through Elevator	20'10"	25260#
	Transport Height	13'	



SBH-04

**Parma Sugarbeet Harvester**

Effective:

2200 Series - Wheel Lift

October 1, 2016

**Optional Equipment**

**Control Valves - Order as needed to match hydraulic needs.**

1265725	2-Bank Electric Solenoid Control Valve	4,107.00
1265726	3-Bank Electric Solenoid Control Valve	5,406.00
1265727	4-Bank Electric Solenoid Control Valve	7,081.00
269029	4-Bank Valve Closed Center - Non Convertible, Non Stackable	2,957.00

**Added Options - Order as Needed**

1268278	Rowfinder, Breakaway - Includes Cyl, Hoses, and Fittings (Includes Installation)	2,865.00
1267149	Tongue Cylinder Kit - Includes Cylinder and Hoses (Not needed with Rowfinder)	491.00
1266567	Lifter Wheel Spacer Kit - order 1 kit per row	45.00
266986	Wide Row Lifter Wheel Scrapers Top Mount Per Row	350.00
1267831	Mud Flap Kit for Grabrolls (Model 2266)	859.00
1267832	Mud Flap Kit for Grabrolls (Model 2286, 6-Row)	892.00
1267753	Mud Flap Kit for Grabrolls (Model 2288, 8-Row)	938.00
1282210	SMV Sign Assembly	37.00
268371	Boom Extension Kit 24" for 6-Row (Std on 8-row)	825.00
268351	Front Jack Stands, Pair - Order One Per Harvester	679.00
	See Installation Package Sheet #SBH-06 for assembling options	
268928	Paddle Back Wide-Long	\$28.62
268929	Paddle Back Wide-Long Kits w/Bolts Per Row	\$119.93



SBH-05R

### Parma Sugarbeet Harvester

Effective:

**12 Row 22" Double Elevator**  
Standard Equipment

October 1, 2017

Double 48" Elevator  
55" Wide Hopper w/48" Chain, Appx 4 Ton  
Stainless Steel Wear Slats in Hopper  
Ladder on Front of Hopper  
Extended Unloading Boom  
8 Grabroll Bed  
6 Groove 5VX Notched Powerband Drive Belts  
Mud Flap Over Grabrolls

Mechanical/Tractor Hyd. Drive  
Rubber Reink between Grabrolls & Elev.  
Upper and Lower Lifter Wheel Scrapers  
4-Bank Valve Closed Center  
In-Cab Electrical Control Box  
LED Working & Caution Lights  
Assembled and Test Run

**Requires 65-85 MIN. GPM at the Remotes @ 3000 PSI**  
(Hydraulic Wet Kit Available for Older Tractors)  
5 Remotes Required for Best Operation (**See Note**)  
Approximately 27HP Per Row

Order Number	Description	List Price
1269143	Model 12228D Harvester 12 Row 22" Wide Row Rock	204,186.00
1269197	Model 12228D Harvester 12 Row 21" Non Rock, Non Reink	189,891.00

**Completing Packages - Order one item from each section for a complete harvester**

**Rear Wheel Strut Assemblies**

1268761	Steerable, Two Way-Rtn to Straight, 4 Floater 21.5 x 16.1 Tires (2 HD Struts)	18,500.00
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**PTO Driveline Assembly**

1991096	Standard PTO w/ 1 3/4 - 20 Spline Yoke	995.00
1268451	CV PTO w/ 1 3/4 - 20 Spline Yoke	1,956.00

**Optional Equipment**

**Added Options - Order as Needed**

1268278	Rowfinder, Breakaway - Includes Cyl, Hoses & Fittings - Includes Installation	2,865.00
1267149	Tongue Cylinder Kit - Includes Cylinder and Hoses (Not needed with Rowfinder)	491.00
1266567	Lifter Wheel Spacer Kit - order 1 kit per row	45.00
268371	Boom Extension 24" x 48" Wide	825.00
1282210	SMV Sign Assembly	37.00
	Self-Contained Hydraulic Kit (Must Order w/Harvester)	9,870.00

Weight: 32560#  
Height: 13'6"

Tongue & Mount Removed: 13'8" Wide Load

**Note:** Hydraulic Functions Required:

1. Machine Raise
2. Boom Discharge
3. Elevator
4. Reink
5. Valve Bank
  - a. Boom Raise
  - b. Row Finder Override
  - c. Left Steer
  - d. Right Steer



## Parma Sugarbeet Harvester

Effective:

### Assembly Packages & Accessories - All Harvesters

October 1, 2016

Order Number	Description	List Price
1266356	Install Discharge Boom Extension (After Market Labor)	\$602.00
1266357	Install Deflector Hood New	\$132.00
1266359	Removal of Lifter Wheels to accommodate over height shipping - per row	\$89.00
1266780	Remove or Add Rock Struts	\$464.00
1266781	Remove or Add Lifter Wheel Cushion Kit	\$464.00
1266782	Remove or Add Valve Bank	\$587.00
1266783	Remove or Add Grabroll Spring Kit	\$150.00
268910	Grabroll Center Spring Kit (12-Row)	\$1,530.00
268379	Draw Bar Shim/Wear Kit Swivel Hitch 4 Pcs. 3/16, 1/4, 3/8, 1/2	\$117.00
264655	Hammer Strap	\$201.00
268218	LW Hub Assy, Brg. Cups, Inner Cone & Seal Wide Row 7/16" Holes	\$520.00
268364	Coupler 1 1/4" to 1 3/4" LoveJoy (Used on 2200 Series Only)	\$545.00
268369	Wear Slats, Poly (3 Required) Included in Base Unit	\$163.00
1264571	Pintle Hook Hitch Assy	\$572.00
1264654	Heavy Duty Swivel Hitch Assy	\$1,205.00
1268457	Floater Tires 21.5 x 16.1 Tires (Retro fit update only)	\$8,775.00
1268547	Steerable Floater, 4 Strut - Two Way Return to Straight (12 Row)	\$25,450.00
1268122	Steerable, Two Way-Rtn to Straight, Floatation Tires 2280 B21.5 X 16.2, 18" Rim	\$22,600.00
1267685	Steerable, HD Two Way-Rtn to Straight - 22" Rows (2200 Original Style)	\$22,750.00
267988	RC80 Scrub Kit Rear Elev. (80Q45T & Chain)	\$278.30
268491	RC80 Rear Elev. Drive Upgrade Kit - Replaces RC60 (16T-36T w/1 3/4")	\$815.00
268492	RC80 Discharge Boom Drive Update Kit - Replaces RC60 (12T - 36T w/1 3/4")	\$507.85
266081	5" Riser Kit - Hopper (910 - 926)	\$1,281.00
264421	5" Riser Kit - Tank (900)	\$1,484.00
268854	13 1/2" Front Panel Boom Extension	\$205.57
268855	13 1/2" Rear Panel Boom Extension	\$205.57
267773	48" x 56mm Belted Chain Bulk Length <span style="float: right;">Per Link</span>	\$22.43
264543	Switch Box 900-910-926	\$726.00

#### Hydraulic Hose Packages Consist of the following (For reference only)

	Hose Package/Tractor Driven Hydraulic Systems (2-1/2x16', 2-1/2x12', 1-3/4x16')	Included as standard Equipment
	Hose Package/Self Contained Hydraulic Systems (2-1/2x16', 2-1/2x12')	
(Widths)	2966 (17250#)	2988 (20750#)
Tongue-Elev.	16'4"	17'10"
Frame Width	13'6"	17'2"
Boom Down	15'	18'8"
Center Boom	10'5" Clearance	10'5" Clearance
Trans Height	13'	13'



## Valve Bank Requirements on Harvesters

Effective:

October 1, 2016

Tractor Hydraulics and Model 2200	
1	Raise /Lift Harvester
1	Boom Raise
1	Powers the Valve Bank & Rowfinder
1	Tongue Steer/Rowfinder override
1	One way steering
1	2 Way Return to Straight Steering
1	Power Elevator & Boom
7	Total Possible Functions

Self Contained	
1	Raise/Lift Harvester
1	Boom Raise
1	Powers the Valve Bank & Rowfinder
1	Tongue Steer/Rowfinder override
1	One way steering
1	2 Way Return to Straight Steering
6	Total Possible Functions

Remember, you need a valve to power the Valve Bank whether you use a Rowfinder or not.

Example: 7 functions of the Tractor powered Hydraulics on a 2900 with a Tractor having 3 Remotes, requires a 4 Bank Valve.