

ELECTRONIC DESIGN ASSOCIATES, LLC

Tractor Chariot

Gen 6 Version 2024-1-1 v1

Powder Coat Finish

Tiger Dryloc Powder Coating 039/90980 LT SILVER GL/HT

Kubota Orange RAL 208

John Deere Green 3A5C2D

PPG Safety Yellow PCTZ30143

CAD Formats

CAD Files & Non Fab Images - Assembly Drawings (Welds) - Parts Fab Programs

CAD Viewer - Animations -3D Renderings

Tractor Chariot Totals

Fab Cost	Finish Cost	Parts Cost	Total Cost	Sell Price	Dealer Cost
1,583.00	290.00	425.24	2,364.52	3,427.55	3,084.80
203.00	50.00	56.31	309.31	493.52	444.17
581.05	40.00	71.45	692.50	1,154.17	1,038.75
2,367.05	380.00	553.01	3,366.34	5,075.25	4,567.72

Quick Hitch - Tool Holder

Quick Hitch - Accessories

Grand Total Tractor Chariot & Quick Hitch Tool Holder

82.67	40.00	126.06	248.73	414.55	373.10
55.17	40.00	282.40	377.57	629.29	566.36
2,504.89	460.00	961.47	3,992.64	6,119.08	5,507.18

Price Quote Date

Margin Discount

5/1/2023 5/1/2023 5/1/2023

40% 10%

TRACTOR CHARIOT CORE

Type	Item	Qty	Specifications	PO Qty	Parts - Bolts Supplier	Item #	Buy Qty Qty	Unit Cost	Item	Fab Cost	Powdercoat Cost	Parts Cost	Total Cost	Sell Price	Dealer Cost
Fab	100.1	1	Chariot Body Back						100.1	170.00	100.00		270.00	450.00	405.00
Fab	100.2	1	Chariot Body Left Side						100.2	100.00			100.00	166.67	150.00
Fab	100.3	1	Chariot Body Right Side						100.3	100.00			100.00	166.67	150.00
Fab	101.1	1	Chariot Base						101.1	125.00	75.00		200.00	333.33	300.00
Fab	101.2	1	Chariot Bumper						101.2	175.00	25.00		200.00	333.33	300.00
Fab	101.3	2	Chariot Drag Stand(Right Bend)						101.3	185.00	10.00		195.00	361.72	325.55
Fab	101.4	1	Chariot Drag Stand Cross Member						101.4						
Fab	102.1	1	Hitch Bracket						102.1	90.00	10.00		100.00	157.23	141.51
Fab	102.2	1	Hitch Gusset						102.2						
Fab	102.3	1	Hitch Flange						102.3						
Fab	103.1	4	Bracket Tube - Wheel						103.1						
Fab	103.2	2	Bracket Tube - Railing						103.2						
Fab	104.1	1	Lift Assembly - Upper Channel						104.1	390.00	20.00		410.00	683.33	615.00
Fab	104.2	2	Lift Assembly -Vertical Channel						104.2						
Fab	104.3	1	Lift Assembly - Lower Channel						104.3						
Fab	104.4	2	Lift Assembly - Upper 3 Point Bracket						104.4						
Fab	104.5	4	Lift Assembly - Lower 3 Point Bracket						104.5						
Bolt	104.5b	16	Carriage Bolts		Fast Supply	CB5Z 00 0125	1	0.43	6.86	104.5b		109.75	109.75	1.43	1.29
Bolt	104.5c	16	Flange Nylock Lock Nuts		Fast Supply	HNNYFLZ 050 13	1	0.05	0.80	104.5c		12.79	12.79	0.42	0.37
Fab	105.1	1	Grab Handle						105.1	75.00	10.00		85.00	138.97	125.07
Bolt	105.1b	2	Carriage Bolts		Fast Supply	CB5Z 00 0125	1	0.43	0.86	105.1b		1.71	1.71	1.43	1.29
Bolt	105.1c	5	Flange Nylock Lock Nuts		Fast Supply	HNNYFLZ 050 13	1	0.05	0.25	105.1c		1.25	1.25	0.42	0.37
Bolt	105.1d	3	Eye Bolt, Shank Machinery Yellow Chromate		eRigging	51731040	1	2.99	8.97	105.1d		26.91	26.91	44.85	40.37
Fab	106.1	2	Drain Door						106.1	51.00	10.00		61.00	75.90	68.31
Fab	107.1	2	Door Slider Rail						107.1	75.00	10.00		85.00		
Bolt	107.1b	4	Carriage Bolts		Fast Supply	CB5Z 025 0075	50	4.70	0.38	107.1b		1.50	1.50	0.67	0.60
Bolt	107.1c	4	Flange Nylock Lock Nuts		Fast Supply	HNNYFLZ 025 20	100	10.00	0.40	107.1c		1.60	1.60	0.41	0.37
Fab	108.1	2	Tool Holder - Vertical						108.1	47.00	20.00		67.00	121.22	109.10
Fab	108.2	2	Tool Holder Divider - Vertical						108.2				66.28	121.22	109.10
Part	109.1	4	Caster Wheel - Square		Zoro	G0266165	1	13.55	54.20	109.1		216.80	216.80	115.93	104.34
Bolt	109.1b	4	Locking Pin Zinc Double Wire Round		Fast Supply	LPDRZ 025 0175	1	1.10	4.40	109.1b		17.60	17.60	7.33	6.60
Part	110.1	1	Hitch Ball		McMaster	8785T42	1	14.32	14.32	110.1		14.32	14.32	23.87	21.48
Part	111.1	1	Floor Mat (Apache Mills® Black 3' x 5')		Menards	SKU: 7036618	1	21.00	21.00	111.1		21.00	21.00	121.22	109.10
Total:										1,583.00	290.00	425.24	2,364.52	3,427.55	3,084.80

Tractor Chariot - Safety Railing				PO	Parts - Bolts		Buy Qty		Unit		Fab	Powdercoat	Parts	Total	Sell	Dealer
Type	Item	Qty	Specifications	Qty	Supplier	Item #	Qty	Cost	Cost	Item	Cost	Cost	Cost	Cost	Price	Cost
Fab	150.1	1	Railing Left (.281 holes 2 Hinge, 2 Latch, 1 Drain)							150.1	175.00	50.00		225.00	375.00	337.50
Fab	150.2	1	Railing Right (.281 holes 2 Hinge, 2 Latch, 1 Drain)							150.2						
Fab	150.3	2	Railing Hinge Post							150.3	28.00			28.00	46.67	42.00
Fab	150.4	2	Railing Cross Brace							150.4						
Bolt	150.4b	4	Locking Pin Zinc Double Wire Round (109.1b)		Fast Supply	LPDRZ 025 0175	1	1.10	4.40	150.4b			17.60	17.60	7.33	6.60
Fab	150.6	1	Railing Side							150.6						
Fab	150.7	1	Railing Door (1 .281 Drain Hole)							150.7						
Bolt	150.7b	1	Door Conduit Coupler		MakerPipe	Coupler	1	4.95	4.95	150.7b			4.95	4.95	8.25	7.43
Bolt	150.7c	2	Hinge Eye Bolts (Zinc)		Grainger	35Z458	1	5.89	11.78	150.7c			23.56	23.56	39.27	35.34
Bolt	150.7d	2	Nylock Lock Nuts (500.4b)		Fast Supply	HNNYZ 038 16	1	0.09	0.18	150.7d			0.36	0.36	0.60	0.54
Fab	150.8	1	Railing Latch Plate							150.8						
Bolt	150.8b	2	Carriage Bolts		Fast Supply	CB5Z 025 0150	100	18.32	0.37	150.8b			0.73	0.73	1.22	1.10
Bolt	150.8c	2	Flange Nylock Lock Nuts (107.1c)		Fast Supply	HNNYFLZ 025 20	100	10.00	0.20	150.8c			0.40	0.40	0.67	0.60
Part	150.9	1	Door Latch		Amazon	HSB300-P4	4	17.90	4.48	150.9			4.48	4.48	7.46	6.71
Bolt	150.9b	4	Phillips Head Machine Screw (Zinc)		McMaster	91735A242	25	5.42	0.87	150.9b			3.47	3.47	5.78	5.20
Bolt	150.cc	4	Nylon Lock Nuts		McMaster	90631A011	100	4.80	0.19	150.cc			0.77	0.77	1.28	1.15
Total:											203.00	50.00	56.31	309.31	493.52	444.17

Tractor Chariot - Tool Holder				PO	Parts - Bolts		Buy Qty		Unit	Fab	Powdercoat	Parts	Total	Sell	Dealer
Type	Item	Qty	Specifications	Qty	Supplier	Item #	Qty	Cost	Cost	Item	Cost	Cost	Cost	Price	Cost
Fab	200.1	1	Tool Rack - Horizontal							200.1	89.00	10.00	99.00	165.00	148.50
Total:											89.00	10.00	99.00	165.00	148.50

Tractor Chariot - Chain Saw Scabbard				PO	Parts - Bolts		Buy Qty		Unit		Fab	Powdercoat	Parts	Total	Sell	Dealer
Type	Item	Qty	Specifications	Qty	Supplier	Item #	Qty	Cost	Cost	Item	Cost	Cost	Cost	Cost	Price	Cost
Fab	210.1	1	Scabbard Bracket	12ga						210.1	38.85	10.00		48.85	81.42	73.28
Bolt	210.1b	2	Carriage Bolts	1/4" x 3/4" #20 Grade 5	Fast Supply	CB5Z 025 0075	1	0.10588	0.21	210.1b			0.42	0.42	0.71	0.64
Bolt	210.1c	2	Flange Nylock Lock Nuts (107.1c)	1/4" #20 Grade 5	Fast Supply	HNNYFLZ 025 20	100	10.00	0.20	210.1c			0.40	0.40	0.67	0.60
Fab	210.2	2	Scabbard Plate (Plastic)	L 12"x W 6 1/4"x D 1/4"						210.2	27.50			27.50	45.83	41.25
Fab	210.3	2	Scabbard Spacer (Plastic)	L 12"x W 1"x D 1/2"						210.3						
Bolt	210.3b	6	Hex head Bolts	1/4 x 1 1/4" #20 Grade 5	Fast Supply	H5Z 025 0125 20	100	10.61	0.64	210.3b			3.82	3.82	6.37	5.73
Bolt	210.3c	6	Flange Nylock Lock Nuts (107.1c)	1/4" #20 Grade 5	Fast Supply	HNNYFLZ 025 20	100	10.00	0.60	210.3c			3.60	3.60	6.00	5.40
Bolt	210.3d	6	Flat Washer Zinc	1/4 #20	Fast Supply	USSFZ 025	100	2.45	0.15	210.3d			0.88	0.88	1.47	1.32
Total:											66.35	10.00	9.13	85.48	142.46	128.21

Tractor Chariot - Gas Holder				PO	Parts - Bolts		Buy Qty		Unit		Fab	Powdercoat	Parts	Total	Sell	Dealer	
Type	Item	Qty	Specifications	Qty	Supplier	Item #	Qty	Cost	Cost	Item	Cost	Cost	Cost	Cost	Price	Cost	
Fab	220.1	1	Gas Holder - Front Bracket	14ga						220.1	148.00			148.00	246.67	222.00	
Fab	220.2	2	Gas Holder - Shelves (upper & lower)	14ga						220.2							
Fab	220.3	1	Gas Holder - Back	14ga						220.3							
Bolt	220.3b	2	Carriage Bolts	1/4" x 3/4" #20 Grade 5	Fast Supply	CB5Z 025 0075	1	0.11	0.21	220.3b			0.42	0.42	0.71	0.64	
Bolt	220.3c	2	Flange Nylock Lock Nuts (107.1c)	1/4" #20 Grade 5	Fast Supply	HNNYFLZ 025 20	100	10.00	0.20	220.3c			0.40	0.40	0.67	0.60	
Total:											148.00			0.82	148.82	248.04	223.24

Tractor Chariot - Accessories - Drag Accessories					PO	Parts - Bolts		Buy Qty		Unit	Fab	Powdercoat	Parts	Total	Sell	Dealer
Type	Item	Qty	Specifications		Qty	Supplier	Item #	Qty	Cost	Cost	Item	Cost	Cost	Cost	Cost	Cost
Fab	230.1	2	Drag Side Panel	7ga							230.1	65.00			65.00	108.33
Fab	230.2	4	Drag Side Panel Post	Solid							230.2					
Bolt	230.2b	8	Carriage Bolts	1/4" x 1 1/4" #20		Fast Supply	CBZ 025 0125	1	0.06096	0.49	230.2b			3.90	3.90	6.50
Bolt	230.2c	8	Flange Nylock Lock Nuts (107.1c)	1/4" #20 Grade 5		Fast Supply	HNNYFLZ 025 20	100	10.00	0.80	230.2c			6.40	6.40	10.67
Fab	231.1	4	Drag Wear Bars	7ga							231.1	50.00			50.00	83.33
Bolt	231.1b	16	Carriage Bolts	1/4" x 3/4" #20 Grade 5		Fast Supply	CB5Z 025 0075	1	0.10	1.60	231.1b			25.60	25.60	42.67
Bolt	231.1c	16	Flange Nylock Lock Nuts (107.1c)	1/4" #20 Grade 5		Fast Supply	HNNYFLZ 025 20	100	10.00	1.60	231.1c			25.60	25.60	42.67
Total:											115.00			61.50	176.50	294.17

Tractor Chariot - Accessories - Front Lift Brackets					PO	Parts - Bolts		Buy Qty		Unit	Fab	Powdercoat	Parts	Total	Sell	Dealer
Type	Item	Qty	Specifications		Qty	Supplier	Item #	Qty	Cost	Cost	Item	Cost	Cost	Cost	Cost	Cost
Fab	240.1	2	Lift Bracket Upper Angle Bar (A&B)	7ga							240.1	162.70	20.00		182.70	304.50
Fab	240.2	2	Lift Bracket Upper Side - Inside (A&B)	7ga							240.2					
Fab	240.3	2	Lift Bracket Upper Side - Outside (A&B)	7ga							240.3					
Fab	240.4	2	Lift Bracket Lower (A&B)	7ga							240.4					
Fab	240.5	4	Lift Bracket Lower Insert	7ga							240.5					
Total:											162.70	20.00		182.70	304.50	274.05

Tractor Chariot - Accessories					PO	Parts - Bolts		Buy Qty		Unit	Fab	Powdercoat	Parts	Total	Sell	Dealer
Type	Item	Qty	Specifications		Qty	Supplier	Item #	Qty	Cost	Cost	Item	Cost	Cost	Cost	Cost	Cost
Part	310	2	Heavy Duty Hook (for Vertical Tool Holder)	6" Red		McMaster	1730A96	1	6.78	13.56	310			27.12	27.12	45.20
Bolt	310b	2	Hexhead Bolts	1/4" x 1/2" #20 Grade 5		Fast Supply	H5Z 025 0050 20	1	0.10588	0.21	310b			0.42	0.42	0.71
Bolt	310c	2	Flange Nylock Lock Nuts (107.1c)	1/4" #20 Grade 5		Fast Supply	HNNYFLZ 025 20	100	10.00	0.20	310c			0.40	0.40	0.67
Part	320	2	Ring Plate - Rink for Vertical Tool Holder)	CargoSmart 1754		Menards	2358475	2	4.99	4.99	320			9.98	9.98	16.63
Bolt	320b	2	Hexhead Bolts	1/4" #20 x 1/2"		Fast Supply	H5Z 025 0050 20	1	0.06	0.12	320b			0.24	0.24	0.40
Bolt	320c	2	Flange Nylock Lock Nuts (107.1c)	1/4" #20 Grade 5		Fast Supply	HNNYFLZ 025 20	100	10.00	0.20	320c			0.40	0.40	0.67
Part	330	4	Gear Tie - 12"	12" Black		Amazon		2	2.44	4.88	330			19.52	19.52	32.53
Part	331	3	Gear Tie - 24"	24" Black		Amazon		2	7.39	11.09	331			33.26	33.26	55.43
Part	340	1	Tow Cable - Steel Ring Chocker	15' with Eye 3/8"				1	45.00	45.00	340			45.00	45.00	75.00
Part	341	1	D Ring Shackle - for Tractor Tongue	3/4" D Ring 7/8" Pin		Amazon		1	18.00	18.00	341			18.00	18.00	30.00
Part	350	3	3 Point Hitch Pin	3/4"x 5 1/4"		Fast Supply	HPZ 075 0525	1	12.78	38.34	350			115.02	115.02	191.70
Part	360	1	Body Harness			Amazon		1	26.00	26.00	360			26.00	26.00	43.33
Part	360b	1	Body Harness Ring with Snap Hook			Amazon		1	29.00	29.00	360b			29.00	29.00	48.33
Total:														55.00	285.80	476.33

QUICK HITCH - TOOL HOLDER					PO	Parts - Bolts		Buy Qty		Unit	FAB	Powdercoat	Parts	Total	Sell	Dealer
Type	Item	Qty	Specifications		Qty	Supplier	Item #	Qty	Cost	Cost	Item	Cost	Cost	Cost	Cost	Cost
Fab	500.1	1	Toolbox Side	12ga							500.1	55.17	40.00		95.17	158.62
Fab	500.2	1	Toolbox Top Shelf	12ga							500.2					
Fab	500.4	2	Mounting Plate - Small (3/4" Flange)	12ga							500.4					
Bolt	500.4a	8	Hex head Bolts	3/8" x 7" Grade 5		Fast Supply	H5Z 038 0700 16	1	1.55	12.40	500.4a			99.20	99.20	165.33
Bolt	500.4b	8	Nylock Lock Nuts	3/8"		Fast Supply	HNNYZ 038 16	1	0.09	0.72	500.4b			5.76	5.76	9.60
Bolt	500.5c	16	Flat Steel Washers	3/8"		Fast Supply	USSFZ 038	1	0.05	0.80	500.5c			12.80	12.80	21.33
Total:											55.17	40.00		117.76	212.93	354.88

Quick Hitch - Tool Holder - Accessories						PO	Parts - Bolts		Buy Qty		Unit		Fab	Powdercoat	Parts	Total	Sell	Dealer
Type	Item	Qty	Specifications			Qty	Supplier	Item #	Qty	Cost	Cost	Item	Cost	Cost	Cost	Cost	Price	Cost
Part	510	1	Toolbox - Rimax 5230-XP				Menards	2452314	1	10.00	10.00	510			10.00	10.00	16.67	15.00
Part	511	4	Bottle Holder - Black				Amazon		2	6.99	13.98	511			55.92	55.92	93.20	83.88
Bolt	511a	8	Hex head Bolts				Fast Supply	H5Z 025 0050 20	1	0.10588	0.85	511a			6.78	6.78	11.29	10.16
Bolt	511b	8	Flange Nylock Lock Nuts (107.1c)				Fast Supply	HNNYFLZ 025 20	1	0.06	0.49	511b			3.95	3.95	6.58	5.92
Part	512	2	Fuel Storage Bottle				Amazon		1	13.00	26.00	512			52.00	52.00	86.67	78.00
Part	513	2	Water Bottle (Red & Blue)				Amazon		1	9.00	18.00	513			36.00	36.00	60.00	54.00
Total:															164.64	164.64	274.40	246.96

Quick Hitch - Tool Holder - Chain Saw Scabbard						PO	Parts - Bolts		Buy Qty		Unit		Fab	Powdercoat	Parts	Total	Sell	Dealer
Type	Item	Qty	Specifications			Qty	Supplier	Item #	Qty	Cost	Cost	Item	Cost	Cost	Cost	Cost	Price	Cost
Fab	210.2	2	Scabbard Plate (Plastic)									210.2	27.50			27.50	45.83	41.25
Fab	210.3	2	Scabbard Spacer (Plastic)									210.3						
Bolt	210.3b	6	Hex head Bolts				Fast Supply	H5Z 025 0125 20	100	10.61	0.64	210.3b			3.82	3.82	6.37	5.73
Bolt	210.3c	6	Flange Nylock Lock Nuts (107.1c)				Fast Supply	HNNYFLZ 025 20	100	10.00	0.60	210.3c			3.60	3.60	6.00	5.40
Bolt	210.3d	6	Flat Washer Zinc				Fast Supply	USSFZ 025	100	2.45	0.15	210.3d			0.88	0.88	1.47	1.32
Total:													27.50		8.30	35.80	59.67	53.70

Boxes - Packing - Materials					PO	Parts - Bolts		Buy Qty		Unit				Box	Total	Sell	Dealer
Type	Item	Qty	Specifications		Qty	Supplier	Item #	Qty	Cost	Cost	Item			Cost	Cost	Price	Cost
Fab	800	1	Chariot Shipping Pallet					1	125.00	125.00	800			125.00	125.00	208.33	187.50
Fab	801	1	Tool Rack - Horizontal					1	6.44	6.44	801			6.44	6.44	10.73	9.66
Fab	802	1	Tool Holder - Vertical					1	6.45	6.45	802			6.45	6.45	10.75	9.68
Fab	803	1	Side Railings					1	18.85	18.85	803			18.85	18.85	31.42	28.28
Fab	804	1	Scabbard Bracket	10ga				1	6.45	6.45	804			6.45	6.45	10.75	9.68
Fab	805	1	QAB - Upper Bracket Angle Bar					1	6.81	6.81	805			6.81	6.81	11.35	10.22
Fab	806	1	Toolbox Assembly					1	7.50	7.50	806			7.50	7.50	12.50	11.25
Total:														177.50	177.50	295.83	266.25