DIAMOND PRODUCTS®

CORE BORE
PARTS LIST MANUAL

M-2
CORE RIG

MARCH 2025

Part #: 1890004-04

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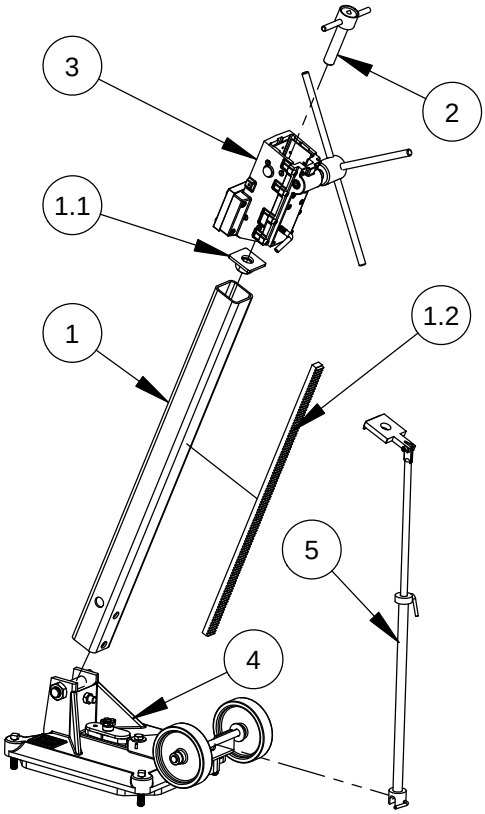
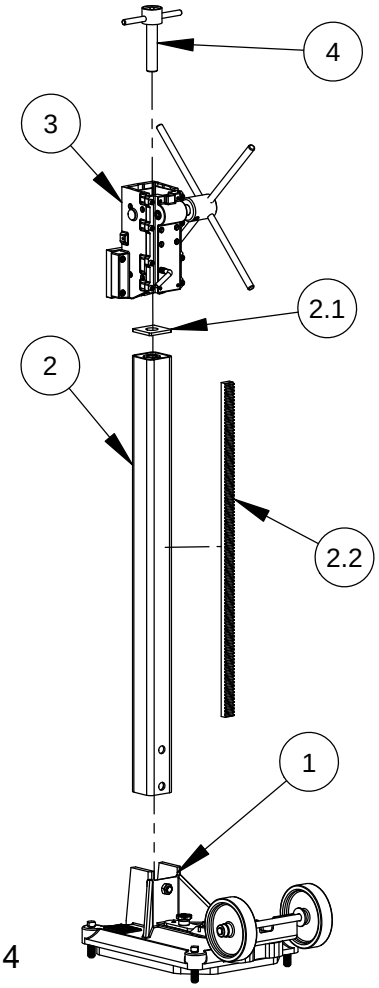
M-2 Angled and Standard Combination Stands



Angle Combination Stand #4241056

ITEM	PART NO.	QTY.	DESCRIPTION
1	4641068	1	Angle Mast with Gear Rack - 42"
1.1	6090482	1	Plate Mast Top
1.2	2400170	1	Gear Rack - 32"
2	4641001	1	Ceiling Jack
3*	4641035	1	Complete Carriage Assembly
4	4641070	1	Angle Combination Base Assembly
5	4641077	1	Angle Brace Assembly

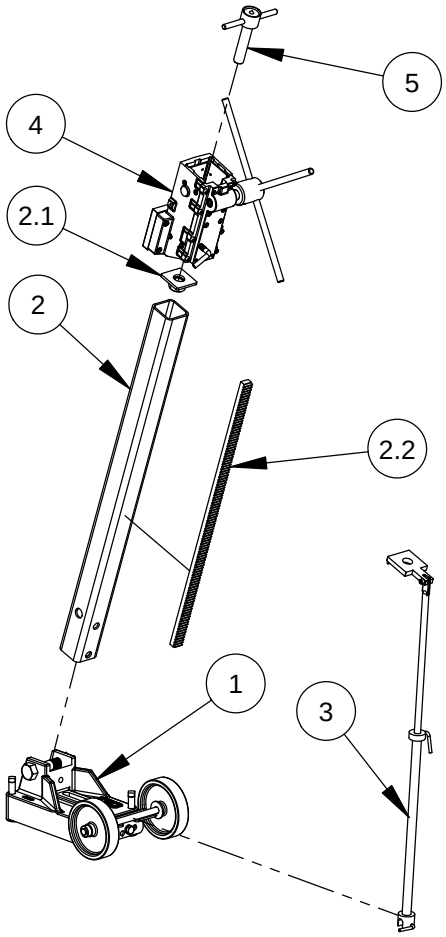


Combination Drill Stand #4241055

ITEM	PART NO.	QTY.	DESCRIPTION
1	4241060	1	M-2 Combination Base Assembly
2	4641002	1	Rig Mast - 42"
2.1	6090482	1	Plate Mast Top
2.2	2400170	1	Gear Rack - 32"
3*	4641035	1	Complete Carriage Assembly
4	4641001	1	Ceiling Jack

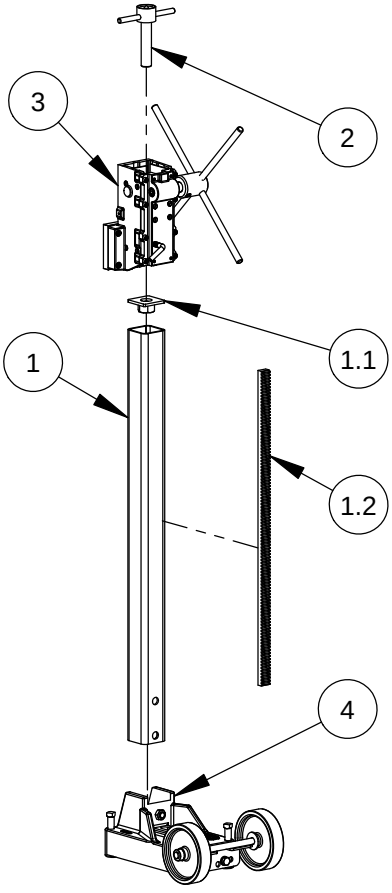
* NOTE: Complete carriage assembly, #4641035
includes motor mount for the CB748 and Milwaukee motors.
For CB700 and Weka motors use complete carriage assembly #4640129.

M-2 Angle Anchor and Standard Anchor Stands



Angle Anchor Stand #4241110

ITEM	PART NO.	QTY.	DESCRIPTION
1	4641071	1	Angle Anchor Base
2	4641068	1	Angle Mast with Gear Rack - 42"
2.1	6090482	1	Plate Mast Top
2.2	2400170	1	Gear Rack - 32"
3	4641077	1	Angle Brace Assembly
4*	4641035	1	Complete Carriage Assembly
5	4641001	1	Ceiling Jack

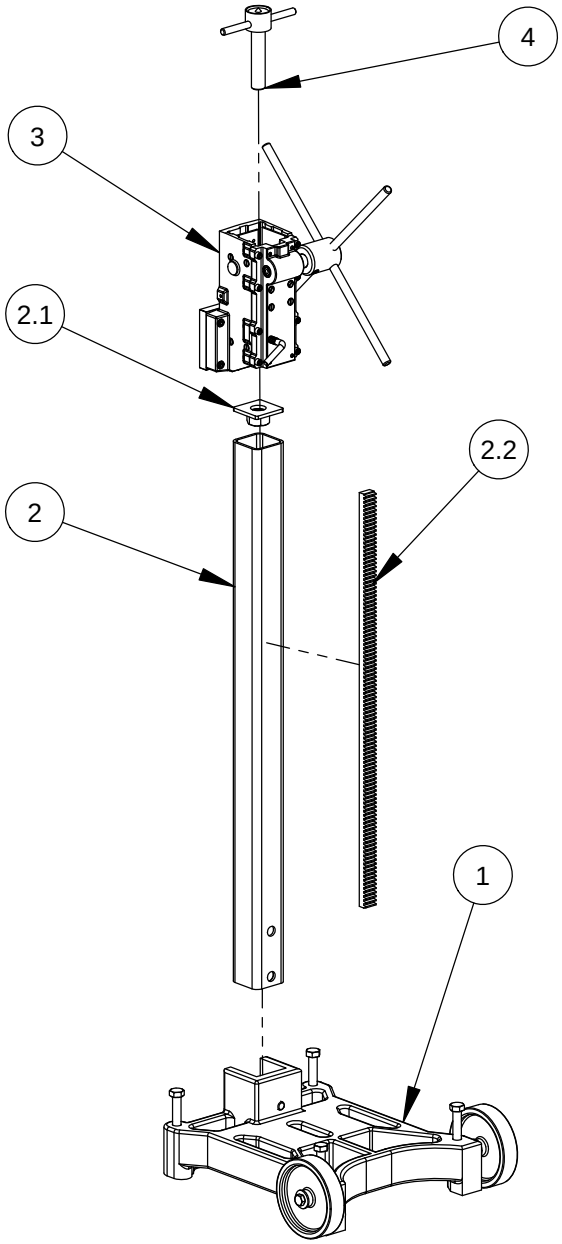


Small Anchor Stand #4241100

ITEM	PART NO.	QTY.	DESCRIPTION
1	4641002	1	Rig Mast - 42"
1.1	6090482	1	Plate Mast Top
1.2	2400170	1	Gear Rack - 32"
2	4641001	1	Ceiling Jack
3*	4641035	1	Complete Carriage Assembly
4	4241105	1	Small Anchor Base Assembly

* NOTE: Complete carriage assembly, #4641035
includes motor mount for the CB748 and Milwaukee motors.
For CB700 and Weka motors use complete carriage assembly #4640129.

M-2 Large Anchor Drill Stand #4241064



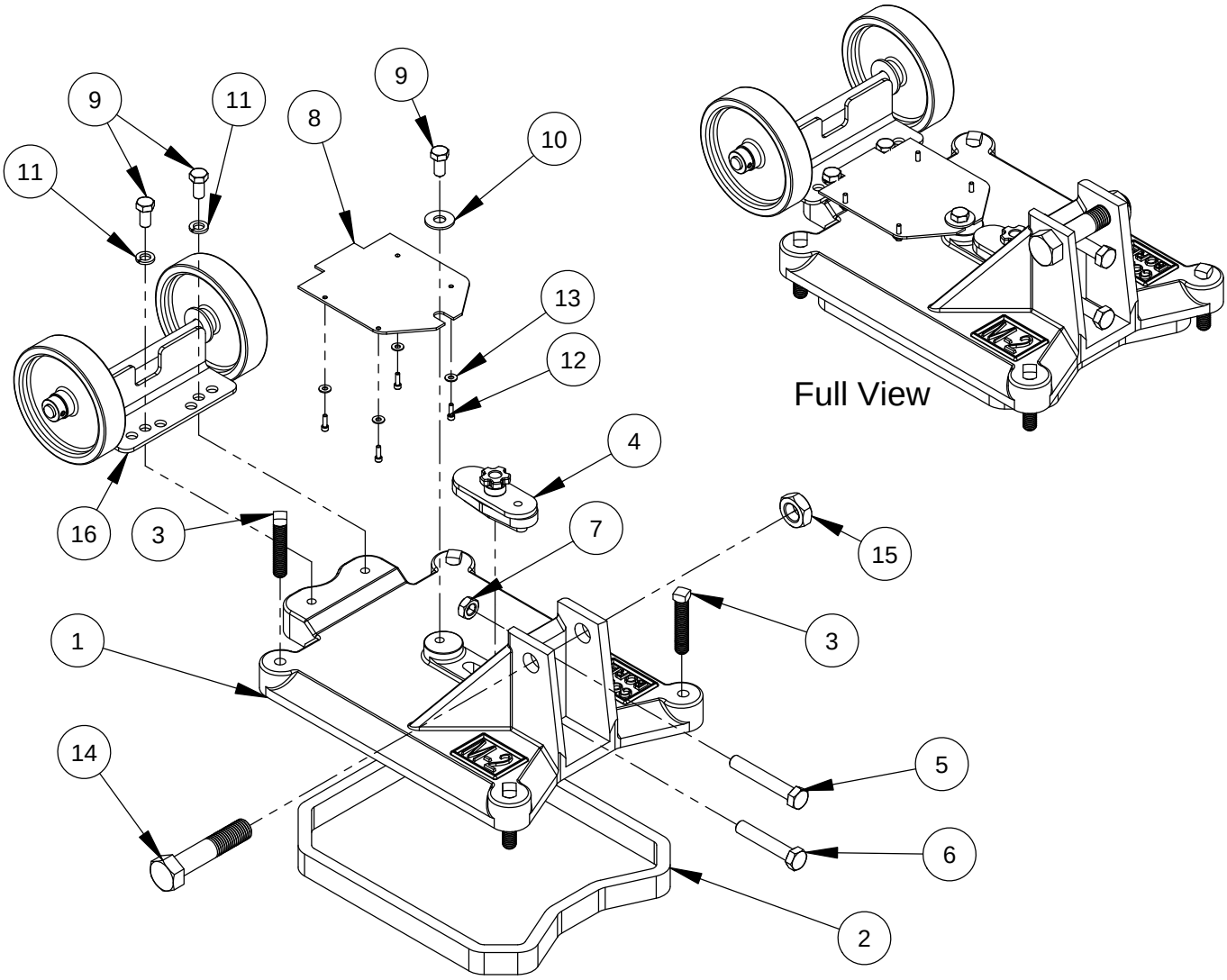
ITEM	PART NO.	QTY.	DESCRIPTION
1	4241063	1	Web Anchor Base Assembly
2	4641002	1	Rig Mast - 42"
2.1	6090482	1	Plate Mast Top
2.2	2400170	1	Gear Rack - 32"
3*	4641035	1	Complete Carriage Assembly
4	4641001	1	Ceiling Jack

*NOTE: Complete carriage assembly, #4641035

includes motor mount for the CB748 and Milwaukee motors.

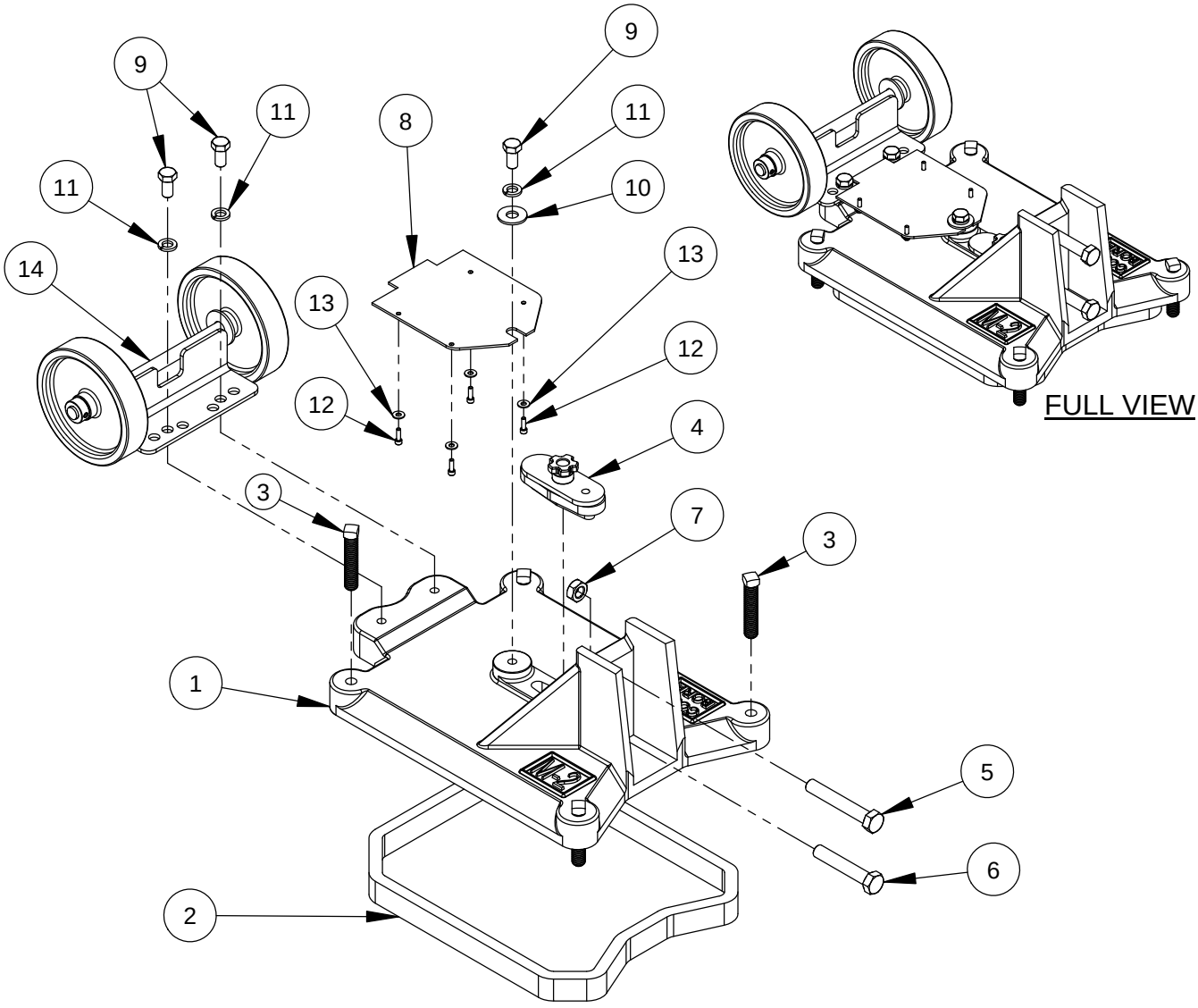
For CB700 and Weka motors use complete carriage assembly #4640129.

Angle Combination Base Assembly #4641070



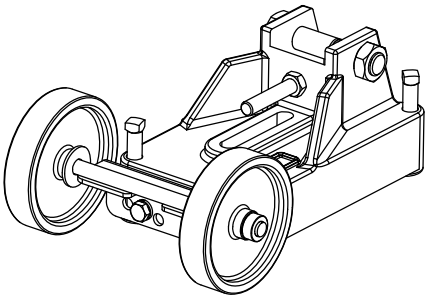
ITEM	PART NO.	QTY.	DESCRIPTION
1	4641075	1	M-2 Combination Base
2	4641024	1	M-2 Vacuum Gasket
3	2900081	4	Set Screw, Sq. Hd., 5/8-11 x 3"
4	4600046	1	Slot Cap Assembly
5	2900146	1	Cap Screw, Hex Hd., 5/8-11 x 4"
6	2900099	1	Cap Screw, Hex Hd., 5/8-11 x 3-1/2"
7	2900256	1	Jam Nut, 5/8-11
8	4645022	1	Vacuum Platform
9	2900086	3	Cap Screw, Hex Hd., 1/2-13 x 1"
10	2900127	1	Flat Washer, 1/2" USS
11	2900084	2	Lock Washer, 1/2" Split
12	2900087	4	Cap Screw, Soc. Hd., #10-32 x 5/8"
13	2900016	4	Flat Washer, #10 USS
14	2900097	1	Cap Screw, Hex Hd., 1-8 x 4-3/4"
15	2900098	1	Jam Nut, 1"-8
16	4645046	1	Wheel Assembly

Combination Base Assembly #4241060

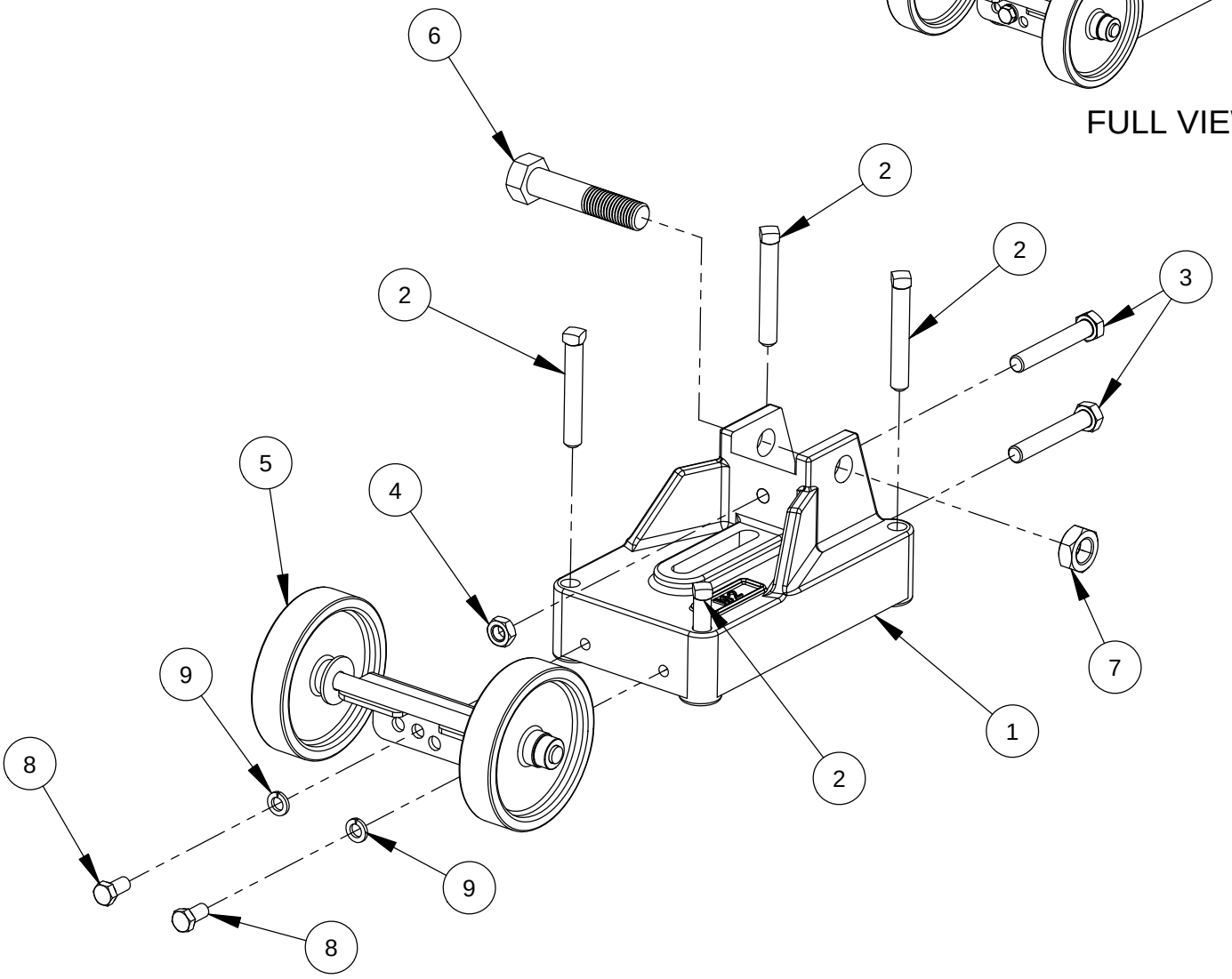


ITEM	PART NO.	QTY.	DESCRIPTION
1	4641025	1	M-2 Combination Base Only
2	4641024	1	M-2 Vacuum Gasket
3	2900081	4	Set Screw, Sq. Hd., 5/8-11 x 3"
4	4600046	1	Slot Cap Assembly
5	2900146	1	Cap Screw, Hex Hd., 5/8-11 x 4"
6	2900099	1	Cap Screw, Hex Hd., 5/8-11 x 3-1/2"
7	2900256	1	Jam Nut, 5/8-11
8	4645022	1	Vacuum Platform
9	2900086	3	Cap Screw, Hex Hd., 1/2-13 x 1"
10	2900127	1	Flat Washer, 1/2" USS
11	2900084	3	Lock Washer, 1/2" Split
12	2900087	4	Cap Screw, Soc. Hd., #10-32 x 5/8"
13	2900016	4	Flat Washer, #10 USS
14	4645046	1	Wheel Assembly

Angle Anchor Base Assembly #4641071

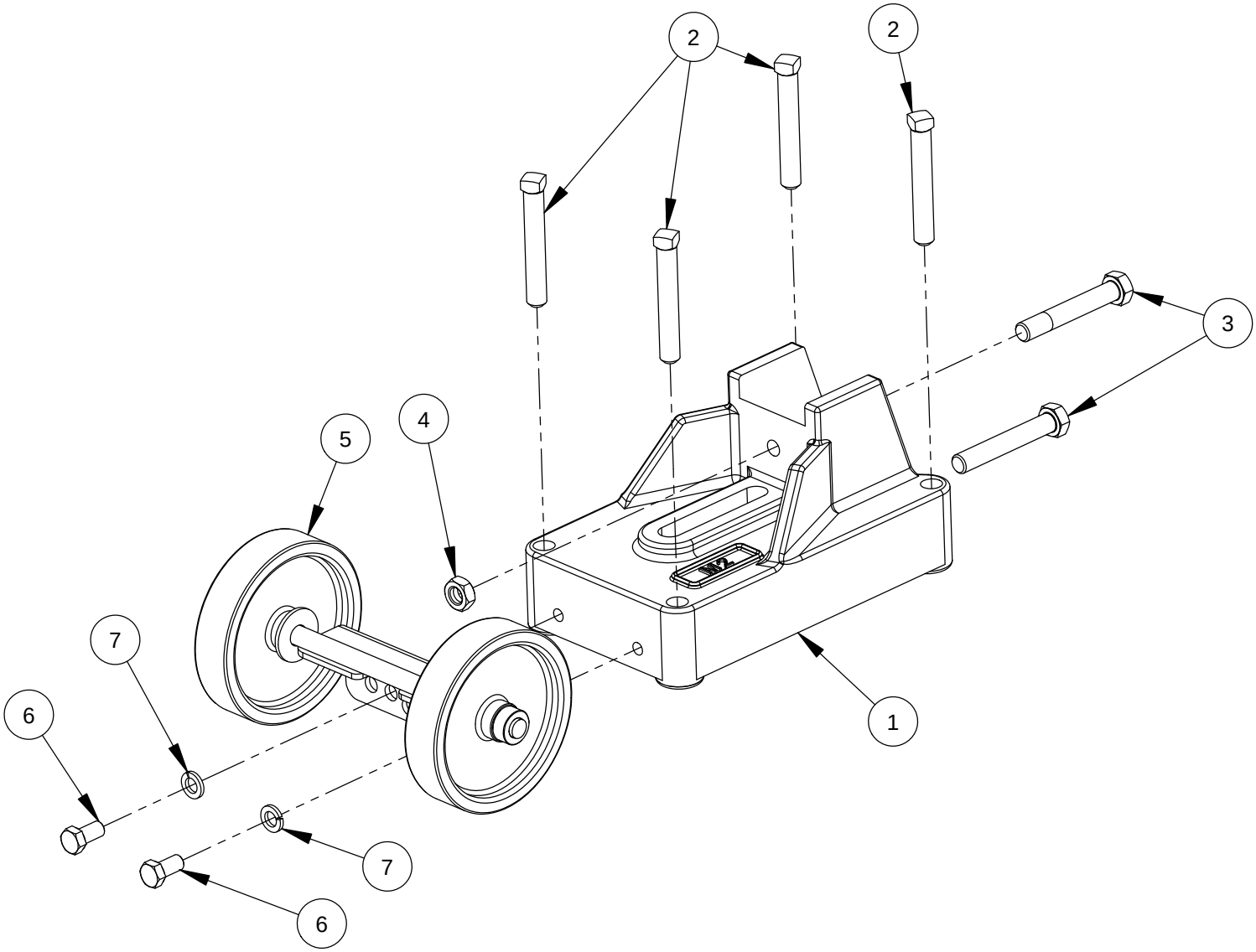


FULL VIEW



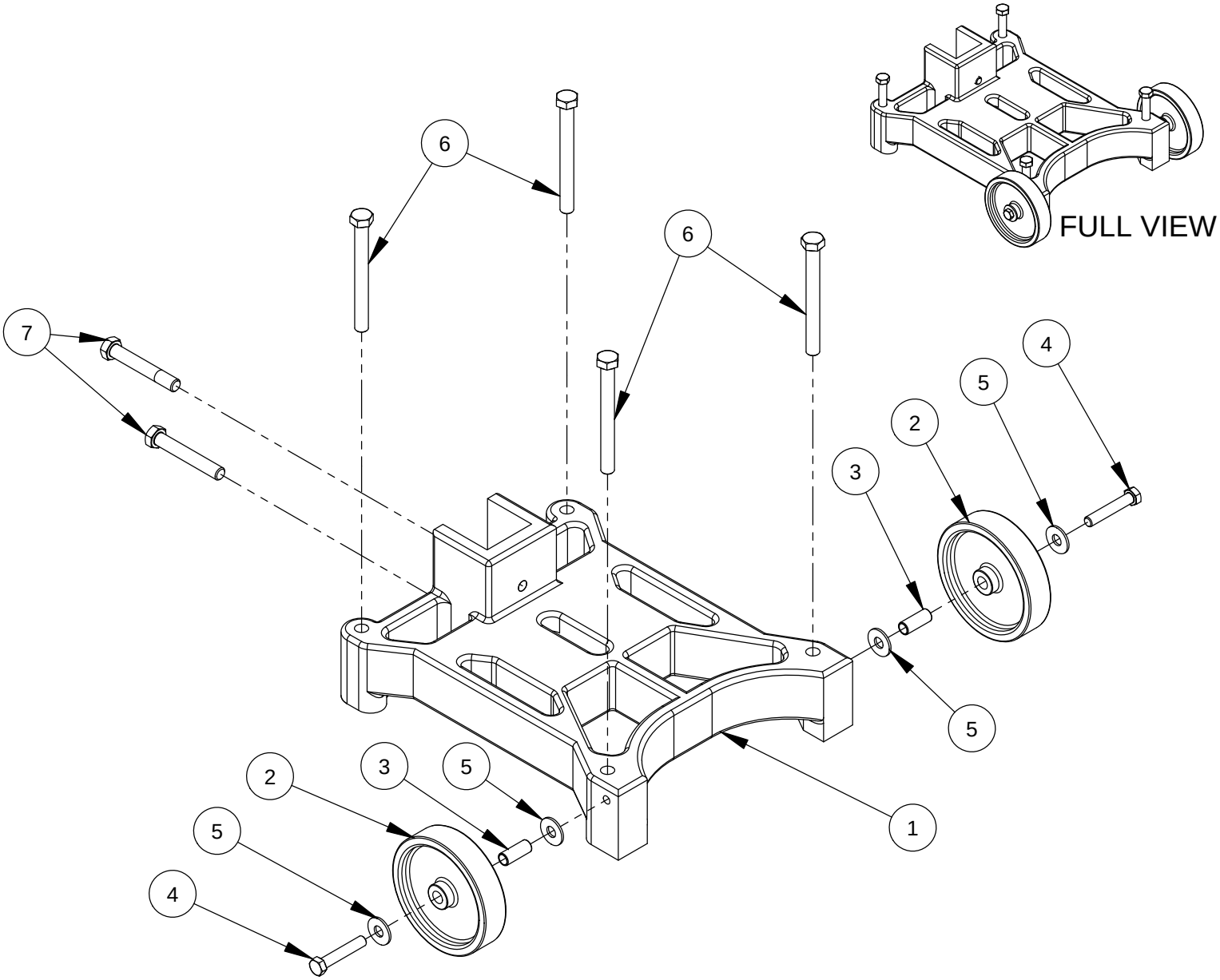
ITEM	PART NO.	QTY.	DESCRIPTION
1	4641072	1	M-2 Anchor Angle Base
2	2900100	4	Set Screw, Soc. Hd., Sq., 5/8-11 x 4"
3	2900146	2	Cap Screw, Hex Hd., 5/8-11 x 4"
4	2900256	1	Jam Nut, 5/8-11
5	4645046	1	Wheel Assembly
6	2900097	1	Cap Screw, Hex Hd., 1-8 x 4-3/4"
7	2900098	1	Jam Nut, 1"-8
8	2900086	2	Cap Screw, Hex Hd., 1/2-13 x 1"
9	2900084	2	Lock Washer, 1/2" Split

Small Anchor Base Assembly #4241105



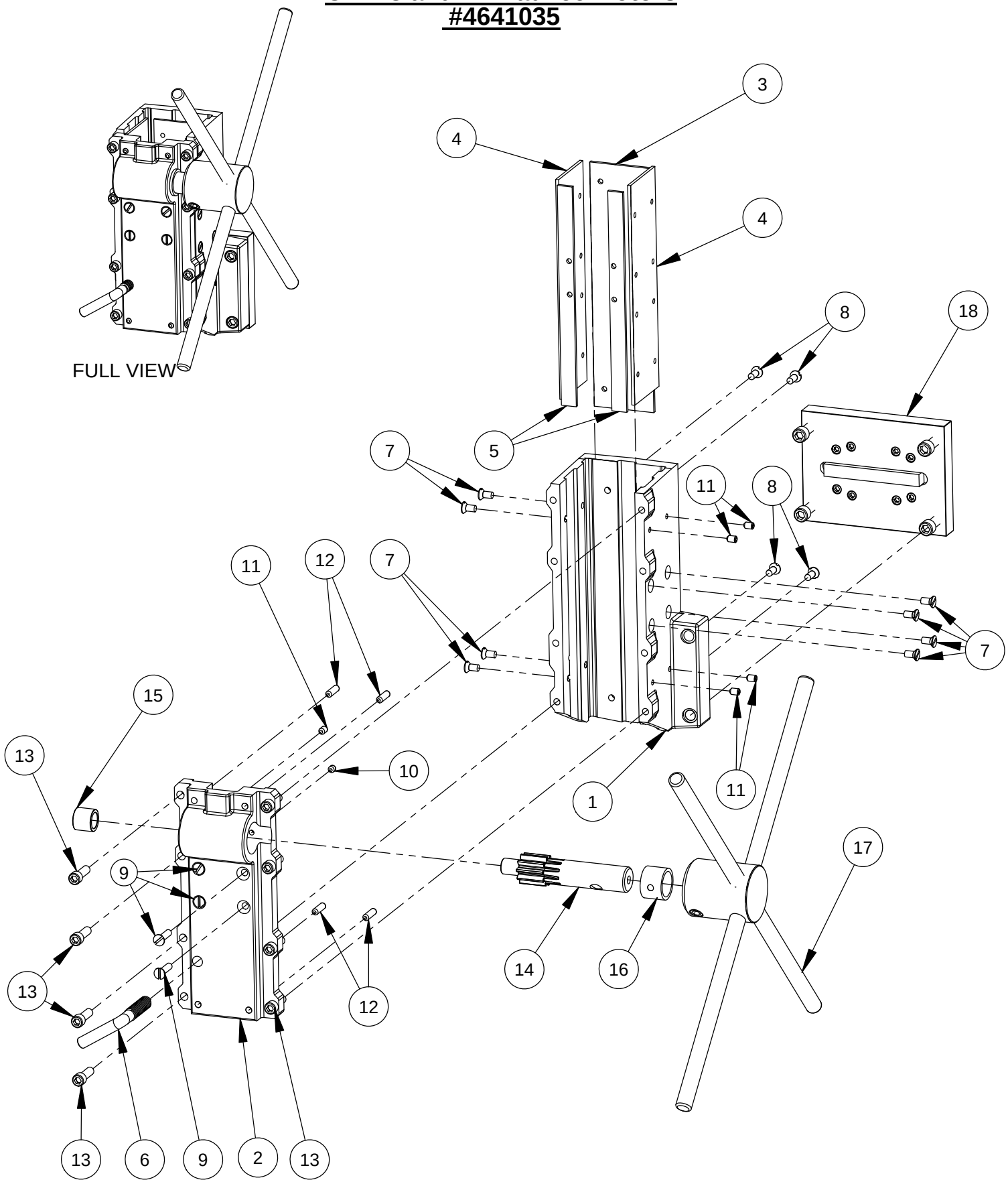
ITEM	PART NO.	QTY.	DESCRIPTION
1	4641004	1	Anchor Base
2	2900100	4	Set Screw, Soc. Hd., Sq., 5/8-11 x 4"
3	2900146	2	Cap Screw, Hex Hd., 5/8-11 x 4"
4	2900256	1	Jam Nut, 5/8-11
5	4645046	1	Wheel Assembly
6	2900086	2	Cap Screw, Hex Hd., 1/2-13 x 1"
7	2900084	2	Lock Washer, 1/2" Split

Web Base Anchor Assembly #4241063



ITEM	PART NO.	QTY.	DESCRIPTION
1	4641005	1	Web Anchor Base
2	2400004	2	Wheel, 6"
3	4641006	2	Wheel Bushing
4	2900105	2	Cap Screw, Hex Hd., 1/2-13 x 2-3/4"
5	2900127	4	Flat Washer, 1/2" USS
6	2900104	4	Tap Bolt, Hex Hd., 5/8-11 x 6"
7	2900146	2	Cap Screw, Hex Hd., 5/8-11 x 4"

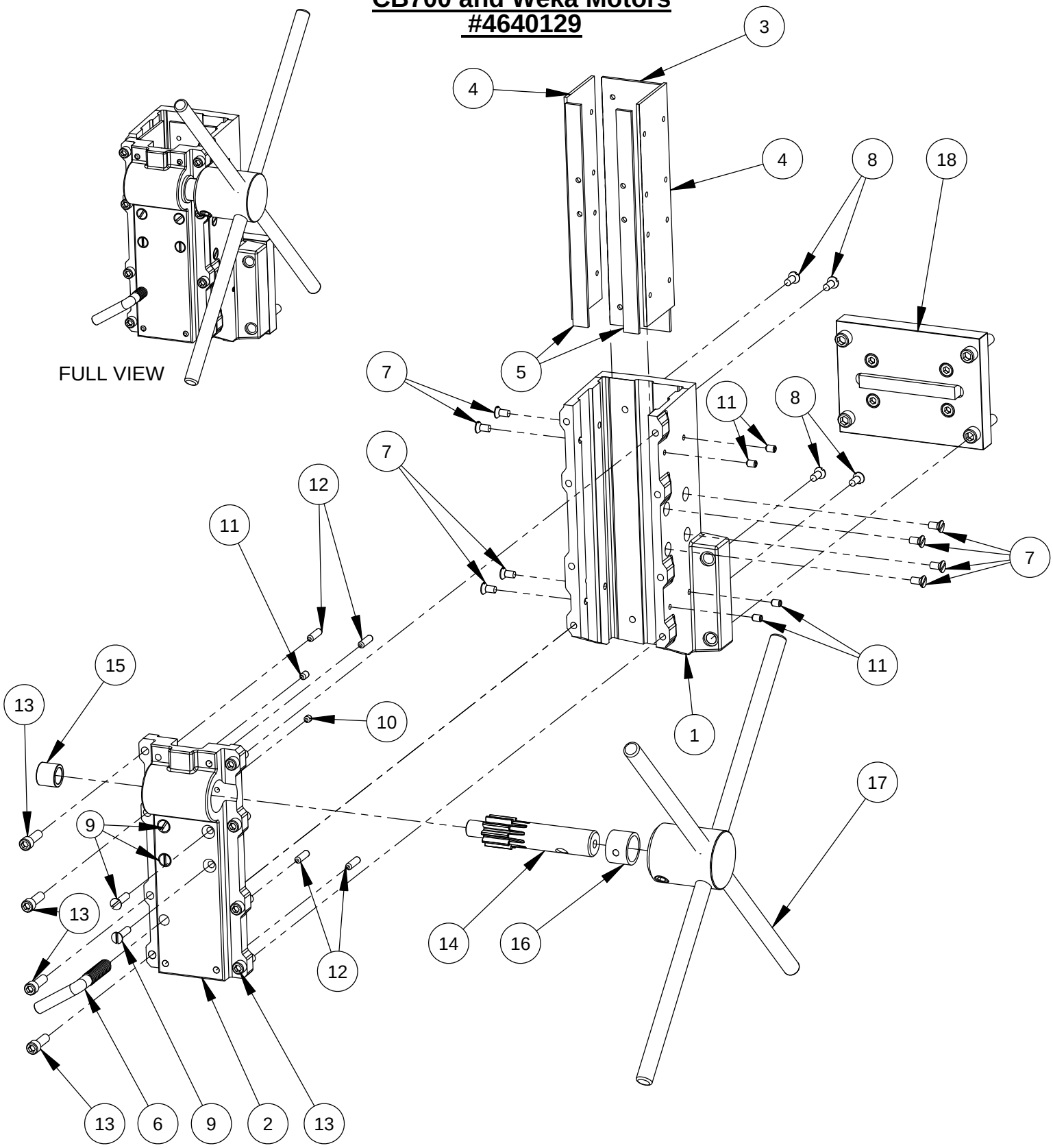
M-2 Carriage Assembly with Motor Mount
CB748 and Milwaukee Motors
#4641035



M-2 Carriage Assembly with Motor Mount
CB748 and Milwaukee Motors
#4641035

ITEM	PART NO.	QTY.	DESCRIPTION
1	4641017	1	Carriage Housing
2	4641013	1	Carriage Plate
3	4641018	1	Non-Adjusting Shim
4	4641020	2	Adjusting Shim - 2 1/2" W
5	4641012	2	Adjusting Shim - 5/8" W
6	2900078	1	"L"-Bolt, 1/2-13
7	2900102	8	Cap Screw, Flat Hd., 1/4-20 x 1/2" Brass
8	2900074	4	Cap Screw, Flat Hd., 1/4-20 x 5/8" Brass
9	2900075	4	Cap Screw, Flat Hd., 1/4-20 x 1" Brass
10	2900056	1	Set Screw, Soc. Hd., 1/4-20 x 1/4"
11	2900101	5	Set Screw, Soc. Hd., 1/4-20 x 3/8"
12	2900077	4	Set Screw, Soc. Hd., 1/4-20 x 7/8"
13	2900103	8	Cap Screw, Soc. Hd., 5/16-18 x 1"
14	4641022	1	Pinion Gear
15	2400005	1	Bearing - 5/8" X 7/8" x 3/4"
16	4645026	1	Bushing, 1" x 1-1/4" x 7/8"
17	4641015	1	Spoke Handle Assembly
18	4641009	1	Motor Mount Assembly

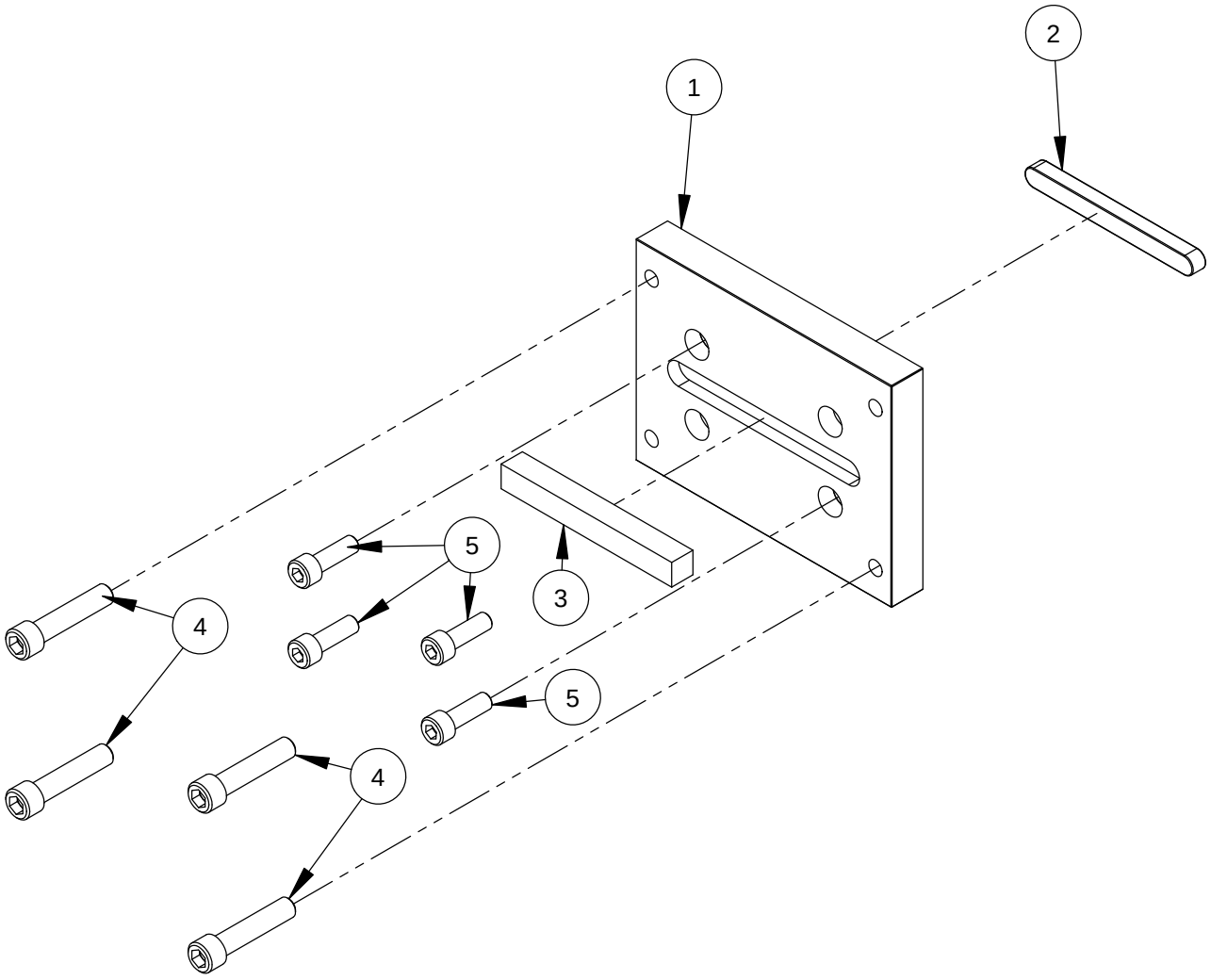
M-2 Carriage Assembly with Motor Mount
CB700 and Weka Motors
#4640129



M-2 Carriage Assembly with Motor Mount
CB700 and Weka Motors
#4640129

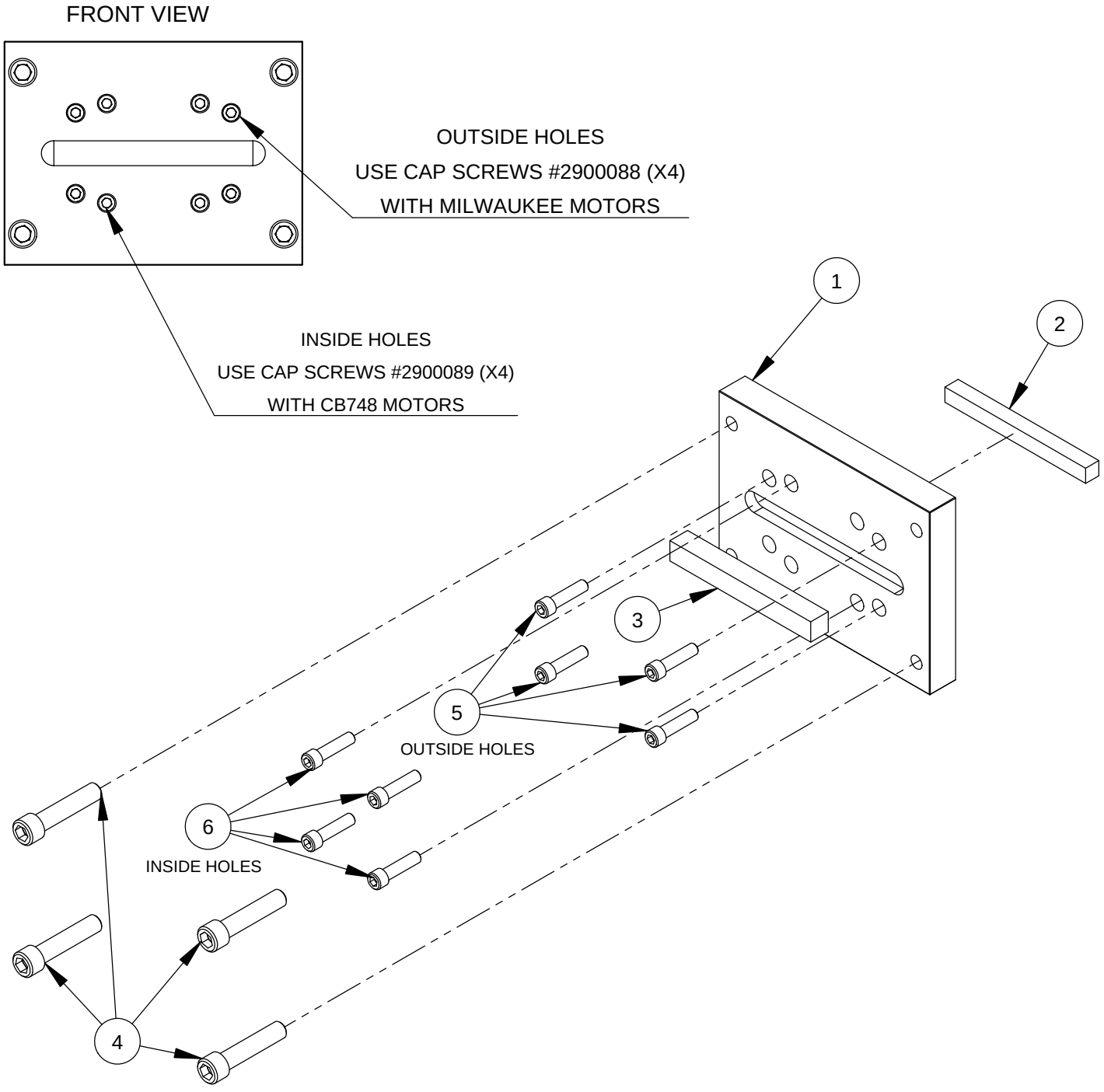
ITEM	PART NO.	QTY.	DESCRIPTION
1	4641017	1	Carriage Housing
2	4641013	1	Carriage Plate
3	4641018	1	Non-Adjusting Shim
4	4641020	2	Adjusting Shim - 2 1/2" W
5	4641012	2	Adjusting Shim - 5/8" W
6	2900078	1	"L"-Bolt, 1/2-13
7	2900102	8	Cap Screw, Flat Hd., 1/4-20 x 1/2" Brass
8	2900074	4	Cap Screw, Flat Hd., 1/4-20 x 5/8" Brass
9	2900075	4	Cap Screw, Flat Hd., 1/4-20 x 1" Brass
10	2900056	1	Set Screw, Soc. Hd., 1/4-20 x 1/4"
11	2900101	5	Set Screw, Soc. Hd., 1/4-20 x 3/8"
12	2900077	4	Set Screw, Soc. Hd., 1/4-20 x 7/8"
13	2900103	8	Cap Screw, Soc. Hd., 5/16-18 x 1"
14	4641022	1	Pinion Gear
15	2400005	1	Bearing - 5/8" X 7/8" x 3/4"
16	4645026	1	Bushing, 1" x 1-1/4" x 7/8"
17	4641015	1	Spoke Handle Assembly
18	4648033	1	Motor Mount Assembly

CB700 and Weka Motor Mount Assembly
#4648033



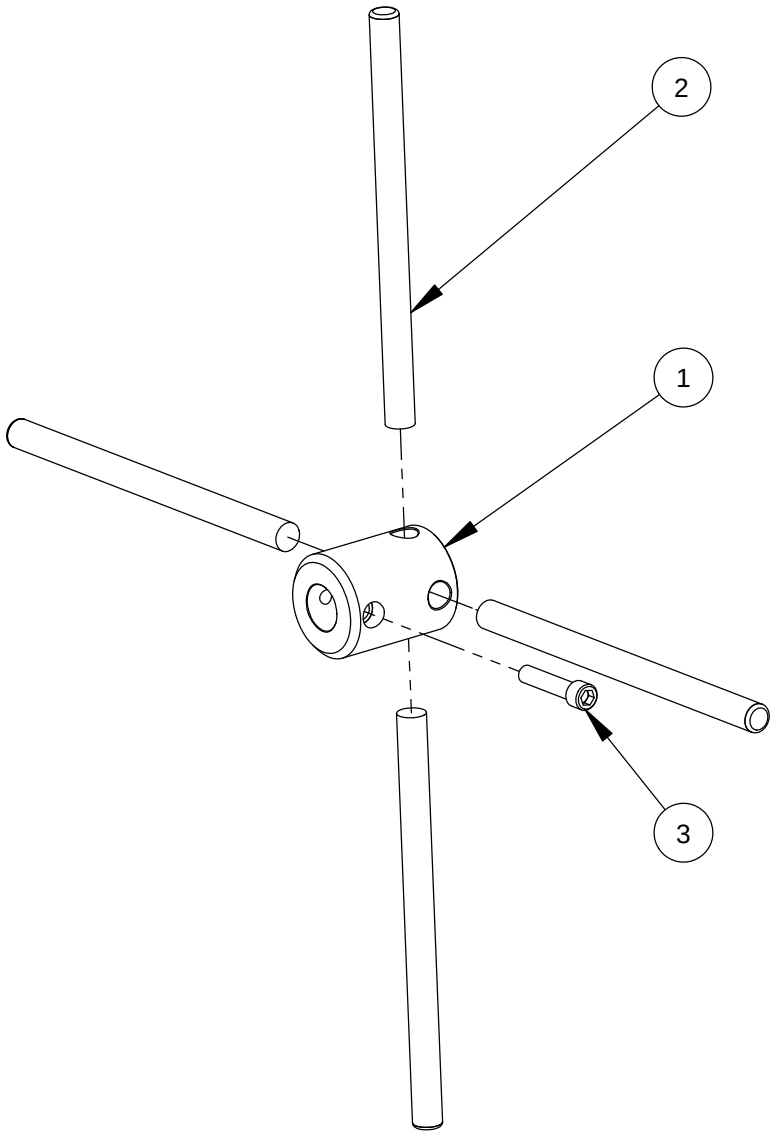
ITEM	PART NO.	QTY.	DESCRIPTION
1	4648034	1	Motor Mount Plate
2	2900263	1	Parallel Key, 10mm x 8mm x 100mm
3	4641010	1	Key, 1/2" Sq. x 4" Long
4	2900124	4	Cap Screw, Soc. Hd., 3/8-16 x 1-3/4"
5	2900161	4	Cap Screw, Soc. Hd., M8-1.25 x 25mm

M-2 Motor Mount Assembly #4641009
USE WITH CB748 AND MILWAUKEE MOTORS



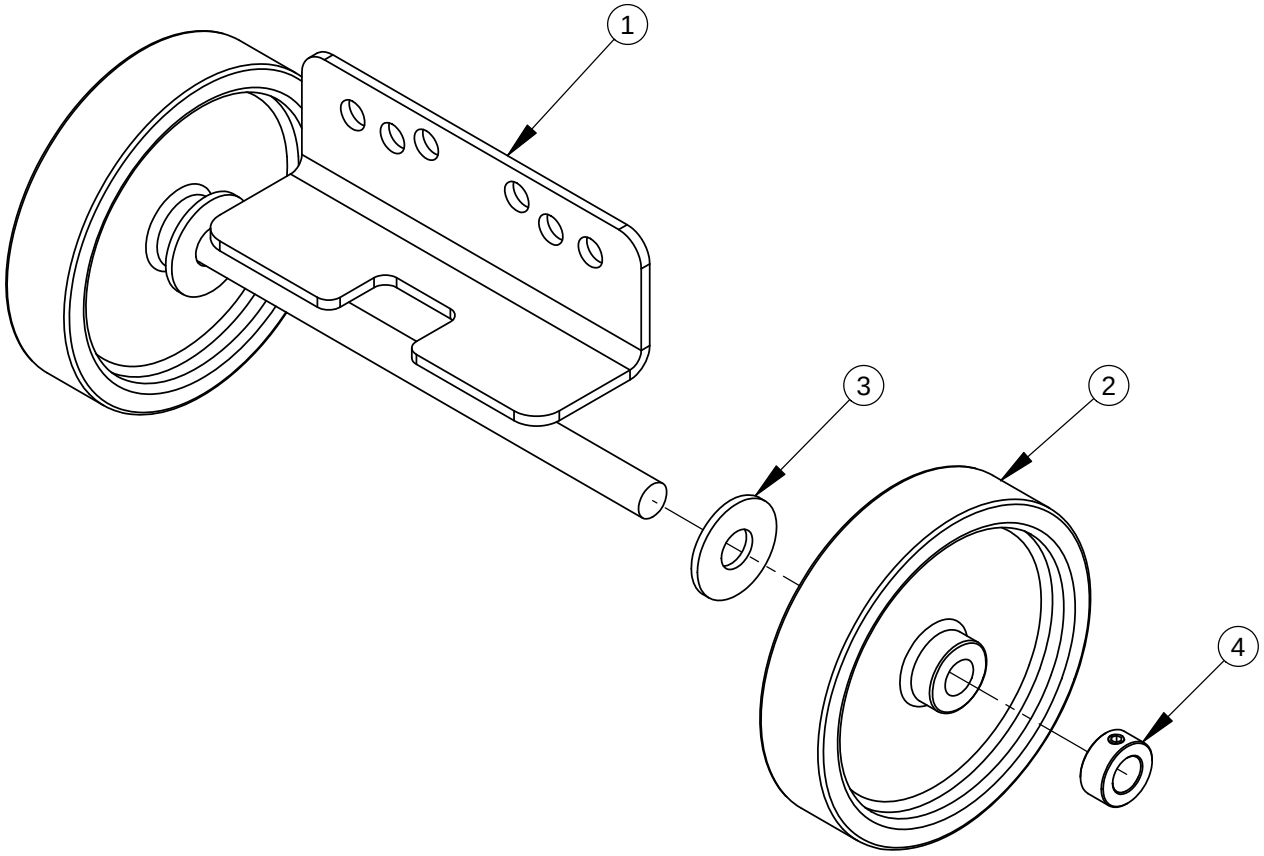
ITEM	PART NO.	QTY.	DESCRIPTION
1	4641042	1	M-2 Motor Mount Plate
2	4645006	1	Key, 3/8" Sq. x 4"
3	4641010	1	Key, 1/2" Sq. x 4" Long
4	2900124	4	Cap Screw, Soc. Hd., 3/8-16 x 1-3/4"
5	2900088	4	Cap Screw, Soc. Hd., 1/4-20 x 1"
6	2900089	4	Cap Screw, Soc. Hd., 1/4-28 x 1"

Spoke Handle Assembly #4641015



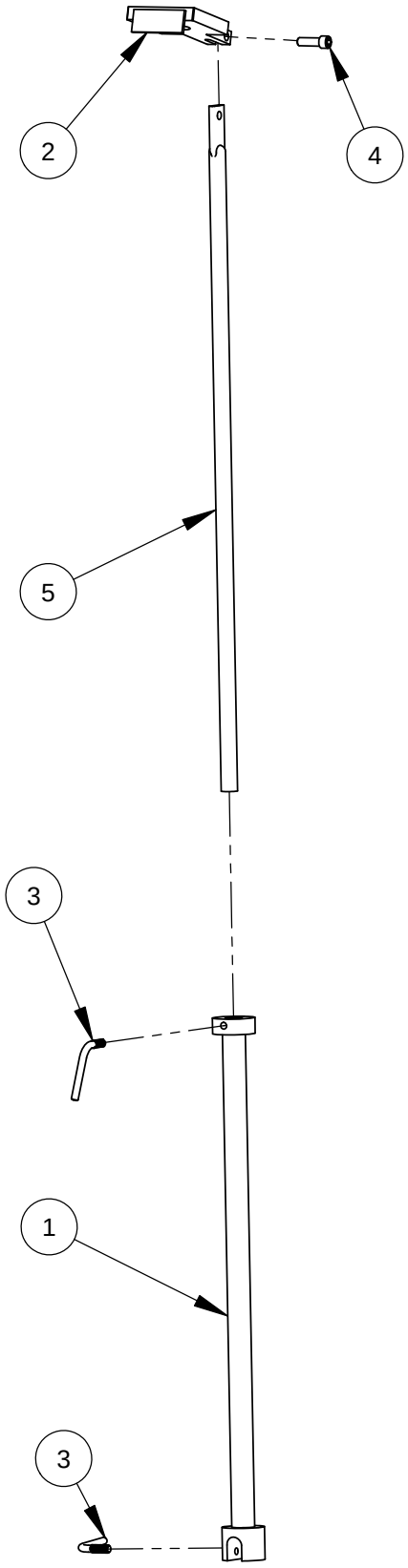
ITEM	PART NO.	QTY.	DESCRIPTION
1	4641019	1	Handle Housing
2	4641016	4	Handle, Spoke, M-2
3	2900124	1	Cap Screw, Soc. Hd., 3/8-16 x 1-3/4"

Axle Assembly #4645046



ITEM	PART NO.	QTY.	DESCRIPTION
1	4646077	1	Wheel Mount Bracket Assembly
2	2400004	2	Wheel, 6"
3	2900128	2	Flat Washer, 5/8" USS
4	2500008	2	Set Collar, 5/8" with Set Screw

M-2 Angle Brace Assembly
42" Mast #4641077
48" Mast #4641169
60" Mast #4641170
72" Mast #4641171



ITEM	PART NO.	QTY.	DESCRIPTION
1	4645105	1	Lower Brace
2	4641069	1	Angle Mast Bracket
3	2900095	2	L-Bolt, 5/16-18
4	2900103	1	Cap Screw, Soc. Hd., 5/16-18 x 1"
5	4645061	1	Upper Brace - for 42" Mast
	4645060	1	Upper Brace - for 48" Mast
	4645059	1	Upper Brace - for 60" Mast
	4645058	1	Upper Brace - for 72" Mast

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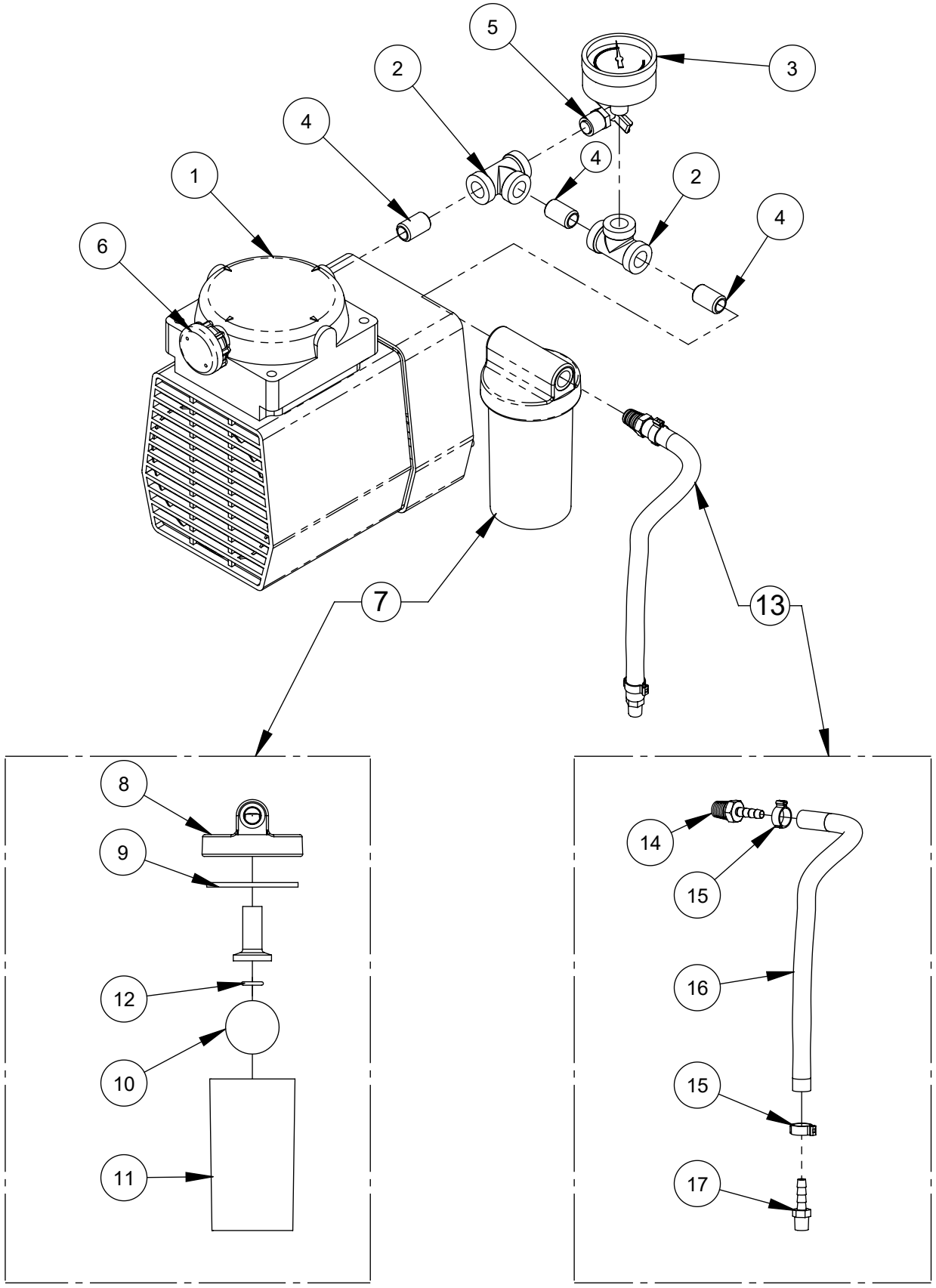
Vacuum Pump Assembly 115V #4244075



Vacuum Pump Assembly 115V #4244075

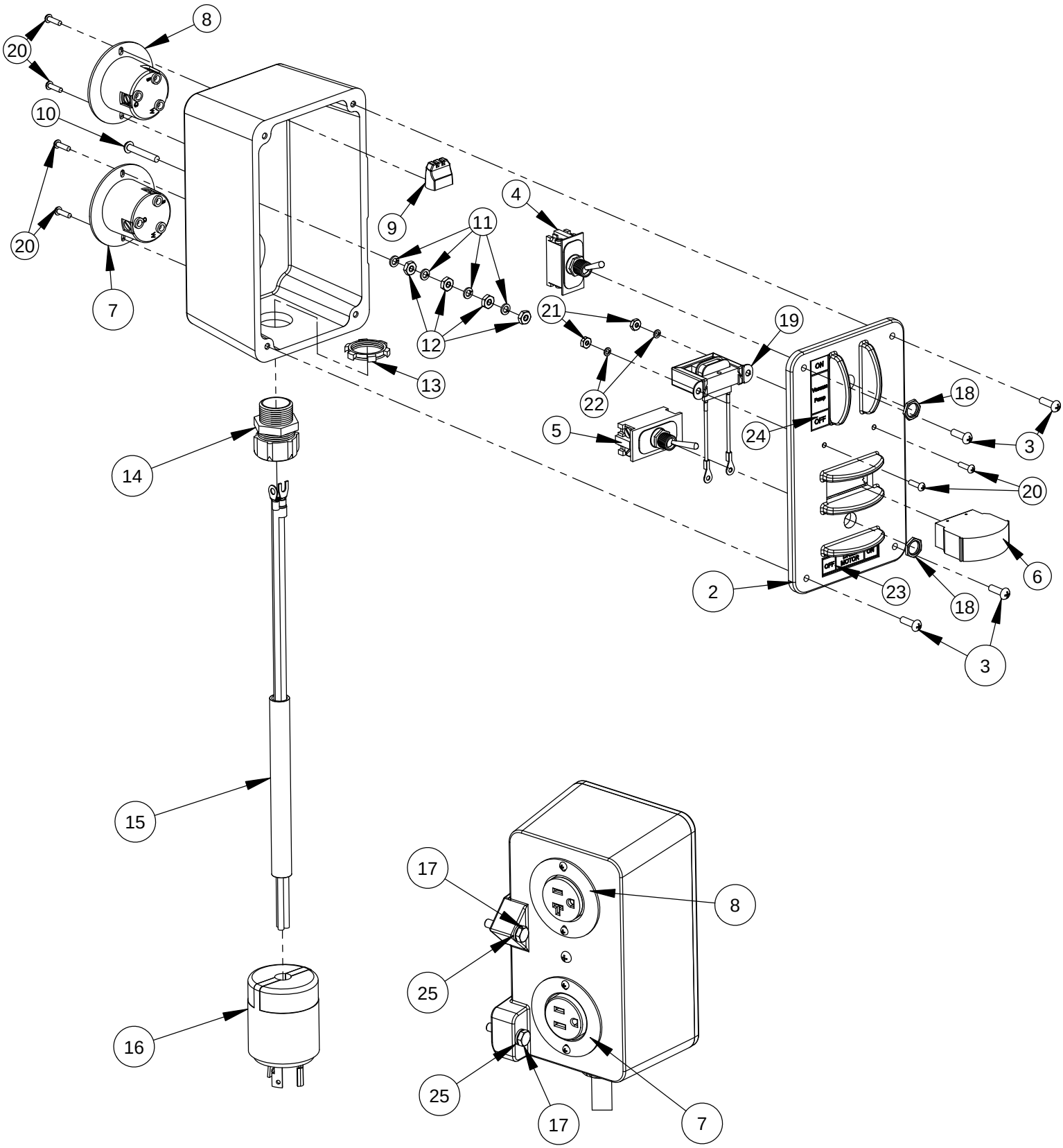
ITEM	PART NO.	QTY.	DESCRIPTION
1	2600016	1	Vacuum Pump, 115 Volt with Water Jar
2	3200010	2	Pipe Tee, 1/4" FPT
3	2700164	1	Gauge, Vacuum
4	3200007	3	Close Nipple, 1/4 NPT
5	3200035	1	Petcock, 1/4" NPT
6	2700168	1	Muffler
7	2700171	1	Water Jar Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
8	2700014	1	Water Jar Lid
9	2700017	1	Water Jar Gasket
10	2700172	1	Float Ball
11	2700170	1	Water Trap Jar
12	2400327	1	O-Ring

ITEM	PART NO.	QTY.	DESCRIPTION
13	4699490	1	Hose Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
14	3200019	1	Fitting, 1/4" M. Pipe to 1/4" Hose Barb
15	3200017	2	Clamp, Pinch On
16	4699430	1	Air Hose
17	3200018	1	Fitting, 1/8" M. Pipe to 1/4" Hose Barb

Dual Switch/Dual Outlet Control Panel 115V #4243000

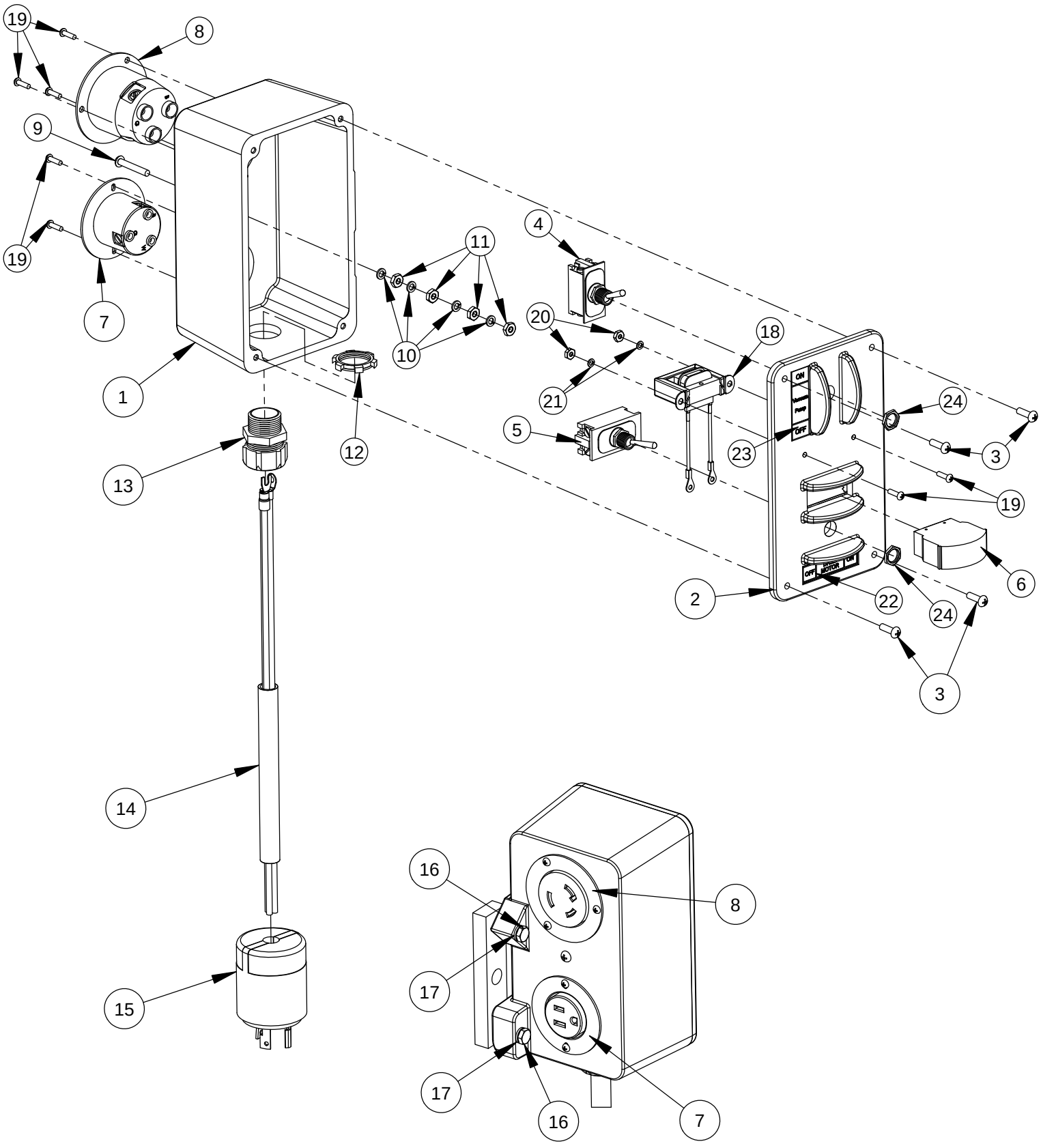


Back View of Control Panel

Dual Switch/Dual Outlet Control Panel 115V #4243000

ITEM	PART NO.	QTY.	DESCRIPTION
1	4699440	1	Control Box Body
2	4699460	1	Cover Plate
3	2900159	4	Machine Screw, Rd. Hd., #10-24 x 5/8"
4	2800016	1	Toggle Switch 16Amp/125V
5	2800017	1	Toggle Switch 20Amp/125V
6	2800020	1	Amp Meter 115V, 0-25 Amp
7	2800018	1	Flanged Outlet, 15 Amp, 125 Volt
8	2800896	1	Flanged Outlet, 15 Amp, 125 Volt
9	2801800	1	Connector, Push-In 3 Port, 14-10 Ga Wire
10	2900172	1	Machine Screw, Rd. Hd., #10-24 x 1-1/4"
11	2900038	4	Lock Washer, #10 Split
12	2900050	4	Hex Nut, #10-24
13	2800050	1	Lock Nut, 3/4" Sealing
14	2800043	1	Connector, 3/4" Cord
15	4699500	1	Line Cord for 115 Volt -14"
16	2800023	1	Plug, 125V, 30A, Twist Lock
17	2900052	2	Cap Screw, Hex Hd., 1/4-20 x 1-1/4"
18	2900204	2	Nut, Toggle Switch, 15/32"-32
19	2800085	1	AC Current Transformer
20	2900090	6	Machine Screw, Rd. Hd., #6-32 x 1/2"
21	2900091	2	Hex Nut, #6-32
22	2900092	2	Lock Washer, #6 Split
23	1800253	1	ON/OFF Drill Motor Label
24	1800254	1	ON/OFF Vacuum Pump Label
25	2900024	2	Lock Washer, 1/4" Split

Dual Switch/Dual Outlet Control Panel 115V #4277594 for Weka Motor

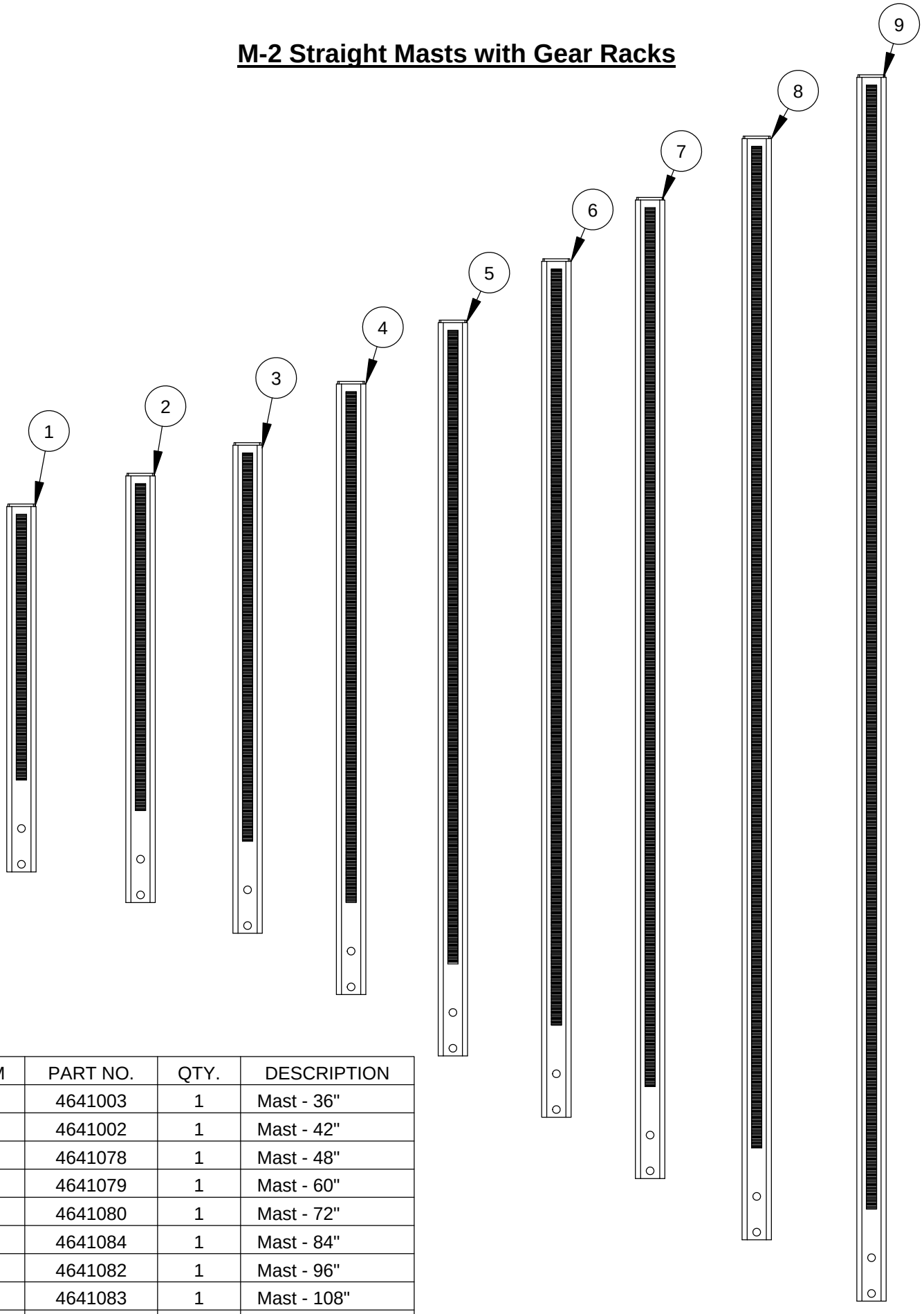


Back View of Control Panel

Dual Switch/Dual Outlet Control Panel 115V #4277594 for Weka Motor

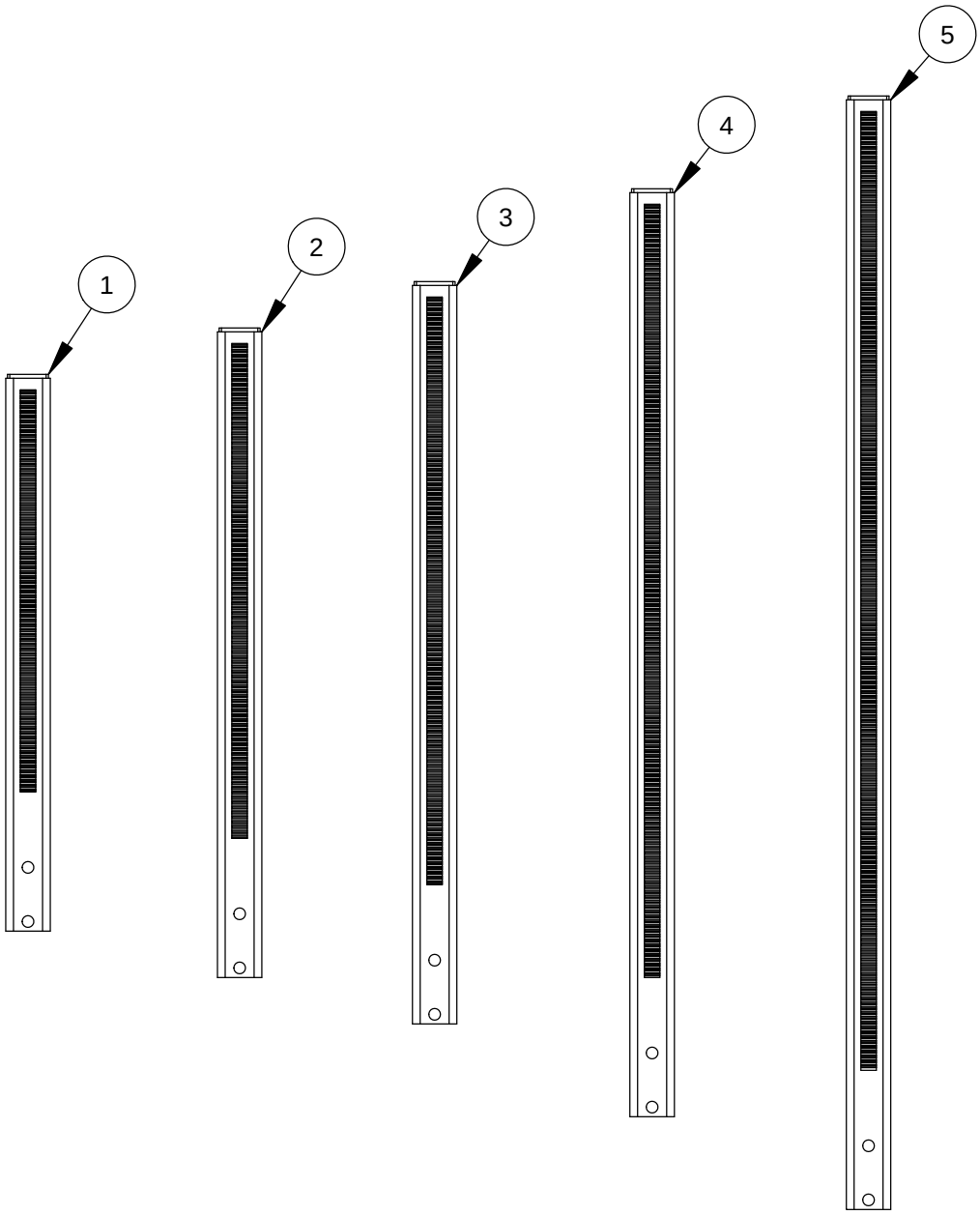
ITEM	PART NO.	QTY.	DESCRIPTION
1	4699957	1	Control Box
2	4699460	1	Cover Plate
3	2900159	4	Machine Screw, Rd. Hd., #10-24 x 5/8"
4	2800016	1	Toggle Switch 16Amp/125V
5	2800017	1	Toggle Switch 20Amp/125V
6	2800558	1	Amp Meter 115V, 0-30 Amp
7	2800018	1	Flanged Outlet, 15 Amp, 125 Volt
8	2800039	1	Flanged Outlet, 30 Amp, 125 Volt
9	2900172	1	Machine Screw, Rd. Hd., #10-24 x 1-1/4"
10	2900038	4	Lock Washer, #10 Split
11	2900050	4	Hex Nut, #10-24
12	2800050	1	Lock Nut, 3/4" Sealing
13	2800171	1	Connector, 3/4" Cord
14	4699506	1	Line Cord for 115 Volt - 14"
15	2800023	1	Plug, 125V, 30A, Twist Lock
16	2900052	2	Cap Screw, Hex Hd., 1/4-20 x 1-1/4"
17	2900024	2	Lock Washer, 1/4" Split
18	2800085	1	AC Current Transformer
19	2900090	7	Machine Screw, Rd. Hd., #6-32 x 1/2"
20	2900091	2	Hex Nut, #6-32
21	2900092	2	Lock Washer, #6 Split
22	1800253	1	ON/OFF Drill Motor Label
23	1800254	1	ON/OFF Vacuum Pump Label
24	2900204	2	Nut, Toggle Switch, 15/32"-32
25	4699958	1	Control Box Bracket

M-2 Straight Masts with Gear Racks



ITEM	PART NO.	QTY.	DESCRIPTION
1	4641003	1	Mast - 36"
2	4641002	1	Mast - 42"
3	4641078	1	Mast - 48"
4	4641079	1	Mast - 60"
5	4641080	1	Mast - 72"
6	4641084	1	Mast - 84"
7	4641082	1	Mast - 96"
8	4641083	1	Mast - 108"
9	4644120	1	Mast - 120"

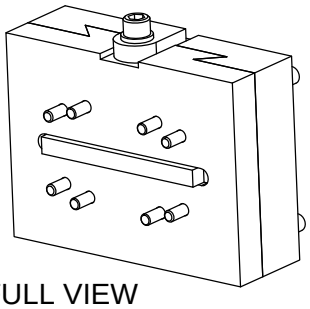
M-2 Angle Masts with Gear Racks



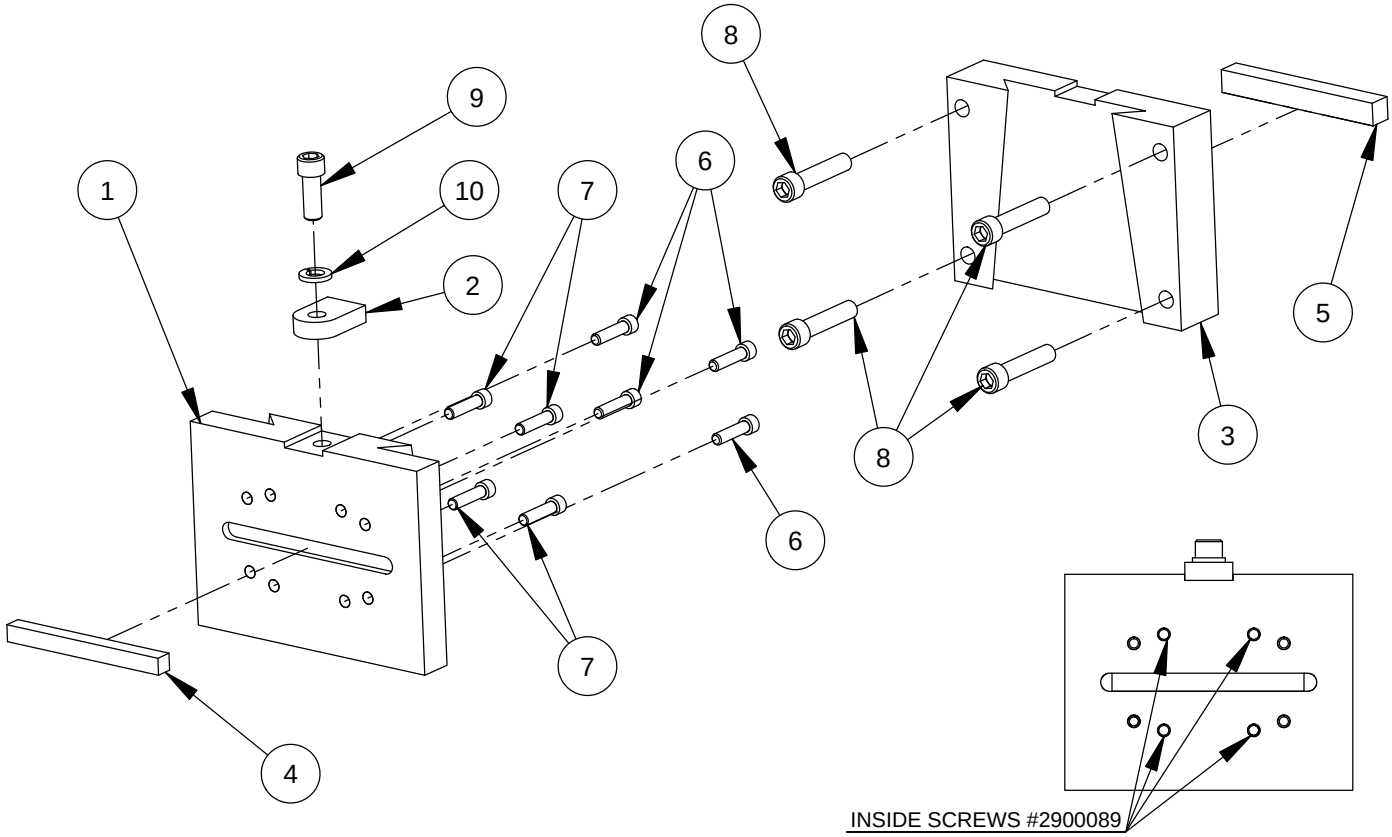
ITEM	PART NO.	QTY.	DESCRIPTION
1	4641089	1	Angle Mast - 36"
1	4641068	1	Angle Mast - 42"
3	4641091	1	Angle Mast - 48"
4	4641086	1	Angle Mast - 60"
5	4641087	1	Angle Mast - 72"

Accessories

Dovetail Motor Mount Quick Disconnect #4648007



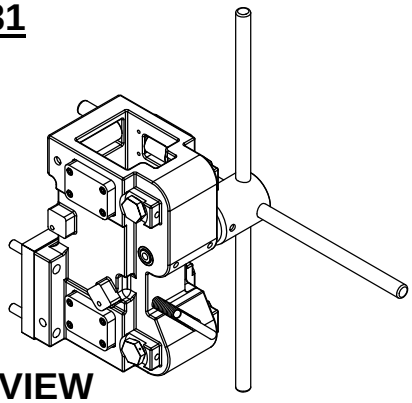
FULL VIEW



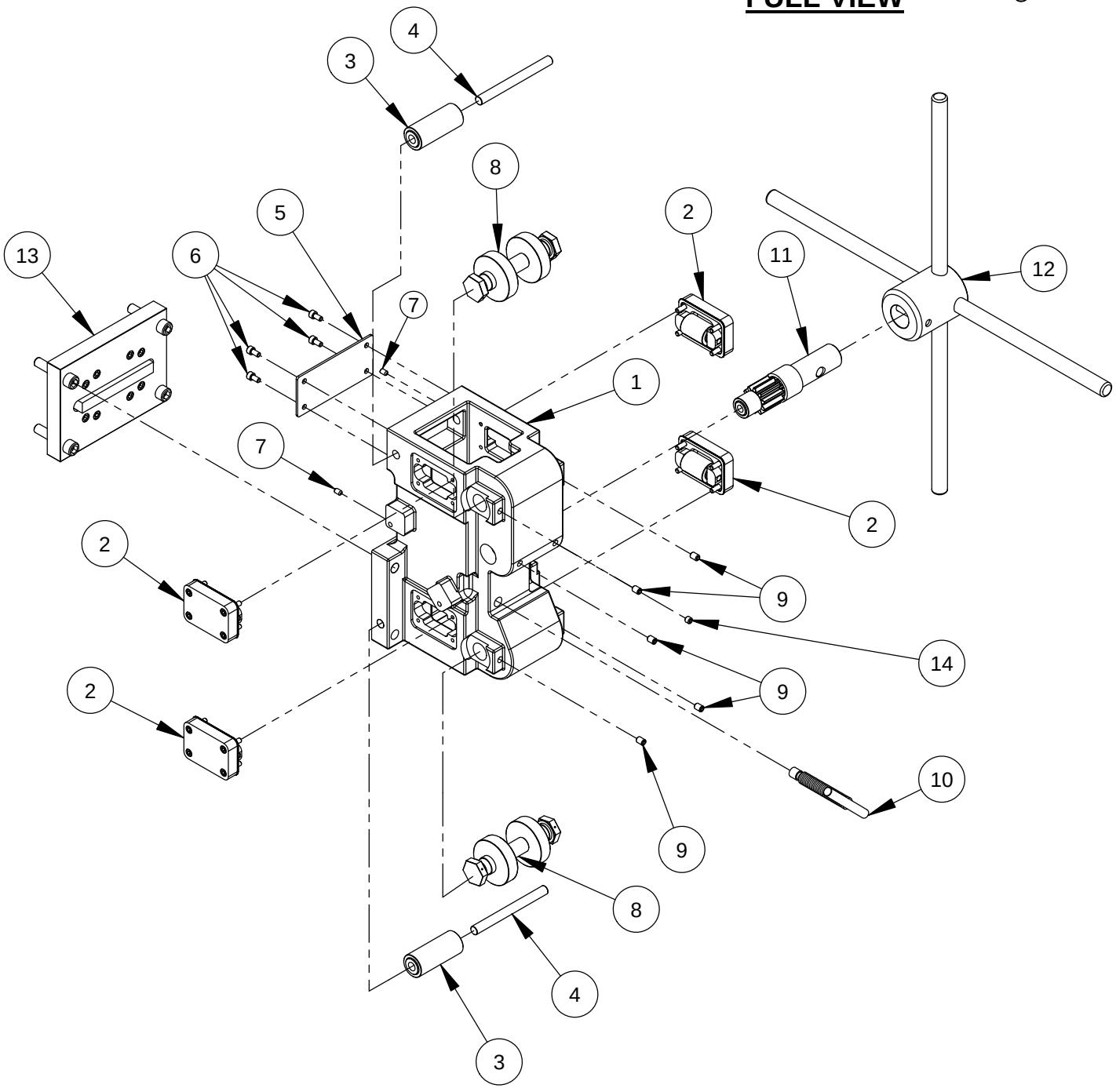
M-5 Style Quick Disconnect Motor Mount also avalible #4699961

ITEM	PART NO.	QTY.	DESCRIPTION
1	4648005	1	Motor Mount Plate
2	4648008	1	Plate Lock
3	4648006	1	Q.D. Motor Mount Plate - Female
4	4645006	1	Key, 3/8" Sq. x 4"
5	4641010	1	Key, 1/2" Sq. x 4" Long
6	2900088	4	Cap Screw, Soc. Hd., 1/4-20 x 1"
7	2900089	4	Cap Screw, Soc. Hd., 1/4-28 x 1"
8	2900124	4	Cap Screw, Soc. Hd., 3/8-16 x 1-3/4"
9	2900175	1	Cap Screw, Soc. Hd., 3/8-16 x 1"
10	2900006	1	Lock Washer, 3/8" Split

M-2 Roller Carriage Assembly #4277531



FULL VIEW

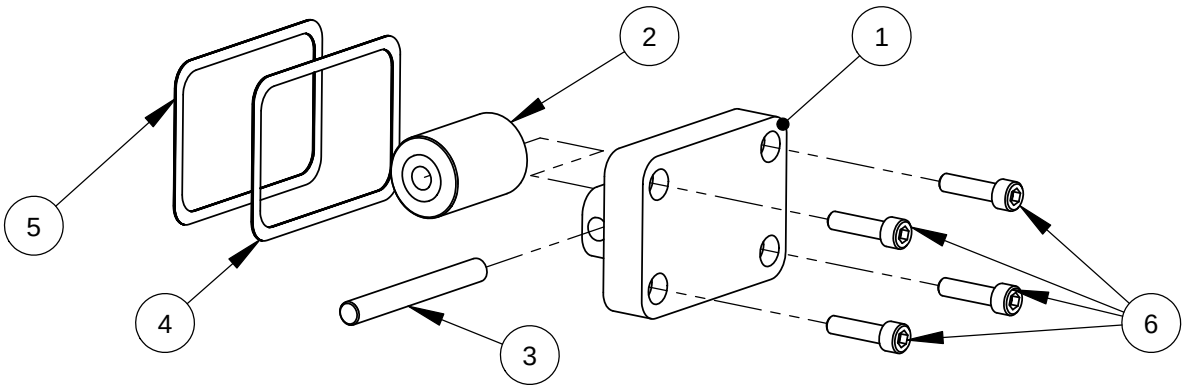


M-2 Roller Carriage Assembly #4277531

ITEM	PART NO.	QTY.	DESCRIPTION
1	4647100	1	Roller Carriage
2	4647107	4	Side Roller Assembly (Plastic 7/8" Roller)
3	4647114	2	Lower Roller (plastic)
4	4647112	2	Lower Roller Shaft
5	2400009	1	Aluminum Cover Plate
6	2900117	4	Cap Screw, Soc. Hd., #10-24 x 3/8"
7	2900118	2	Soc Set Screw, #10-24 x 5/16"
8	4647108	2	Adjustable Roller Assembly
9	2900101	5	Set Screw, Soc. Hd., 1/4-20 x 3/8"
10	4647123	1	Carriage Lock (M-2 Roller Carriage)
11	4647124	1	Pinion Gear W/Bushings
12	4641015	1	Spoke Handle Assembly
13	4641009	1	M-2 Motor Mount Assembly
14	2900056	1	Set Screw, Soc. Hd., 1/4-20 x 1/4"

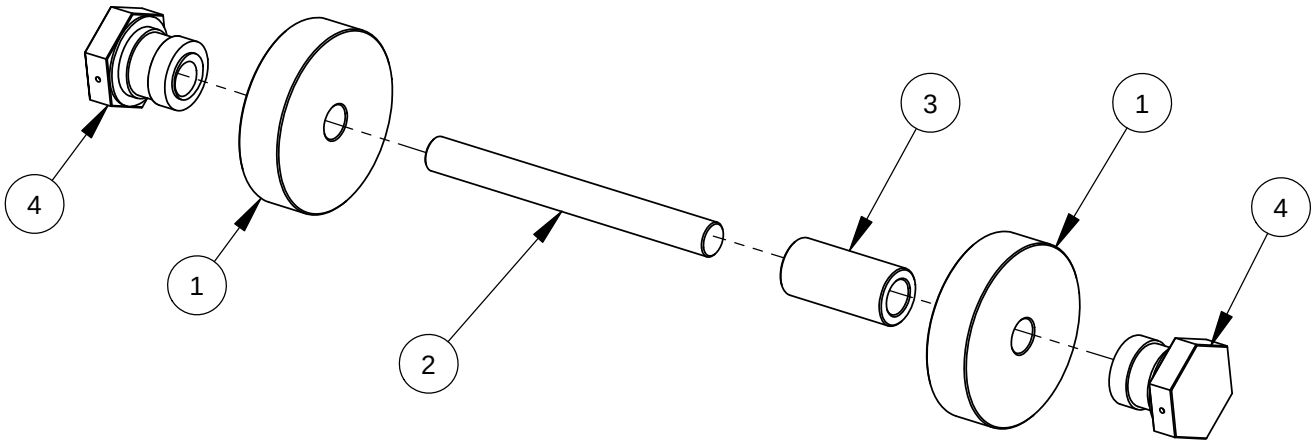
Intentionally Blank

Side Roller Assembly #4647107



ITEM	PART NO.	QTY.	DESCRIPTION
1	4647102	1	Side Roller Housing
2	4647113	1	Side Roller, Plastic
3	4647106	1	Side Roller Shaft
4	2400011	5	Aluminum Gasket Shim, .005"
5	2400054	5	Aluminum Gasket Shim, .003"
6	2900116	4	Cap Screw, Soc. Hd., #10-24 x 3/4"

Adjustable Roller Assembly #4647108



ITEM	PART NO.	QTY.	DESCRIPTION
1	4647115	2	Plastic Roller
2	4647120	1	Shaft, Adjustable Roller
3	4647121	1	Spacer, Adjustable Roller
4	4647122	2	Roller Adjuster

EQUIPMENT AND PARTS WARRANTY

Diamond Products warrants all equipment manufactured by it against defects in workmanship or materials for a period of one (1) year from the date of shipment to Customer.

The responsibility of Diamond Products under this Warranty is limited to replacement or repair of defective parts at Diamond Products' Elyria, Ohio factory, or at a point designated by it, of such parts as shall appear to us upon inspection at such parts, to have been defective in material or workmanship, with expense for transportation and labor borne by Customer.

In no event shall Diamond Products be liable for consequential or incidental damages arising out of the failure of any Product to operate properly.

Integral units such as engines, electric motors, batteries, transmissions, etc., are excluded from this Warranty and are subject to the prime manufacturer's warranty.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND ALL SUCH OTHER WARRANTIES ARE HEREBY DISCLAIMED.

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