DIAMOND PRODUCTS®

CORE BORE
PARTS LIST MANUAL

M-5 PRO
CORE RIG

MARCH 2025

Part #: 1801944-03

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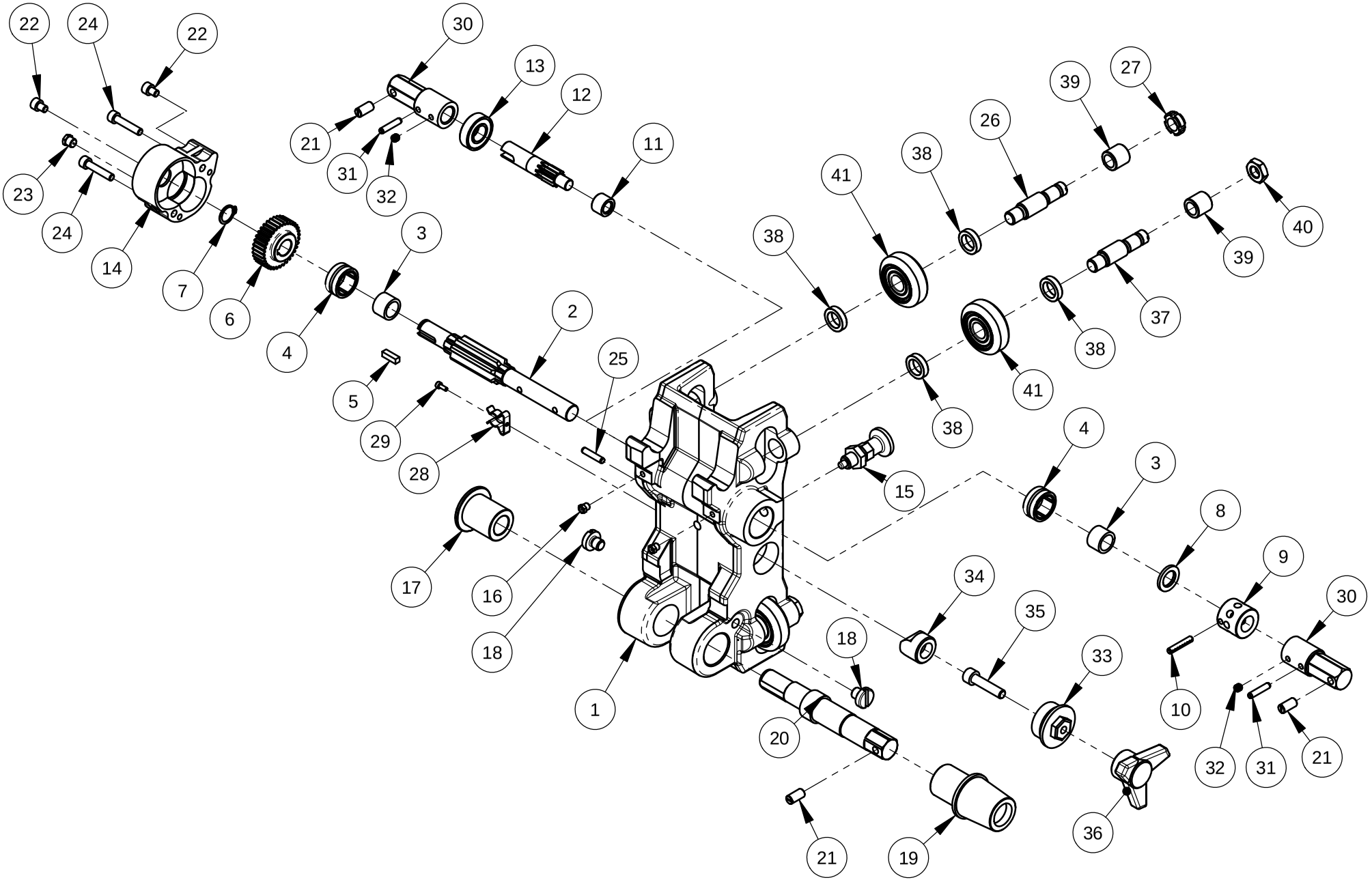
M-5 Pro Carriage Assembly #4600201

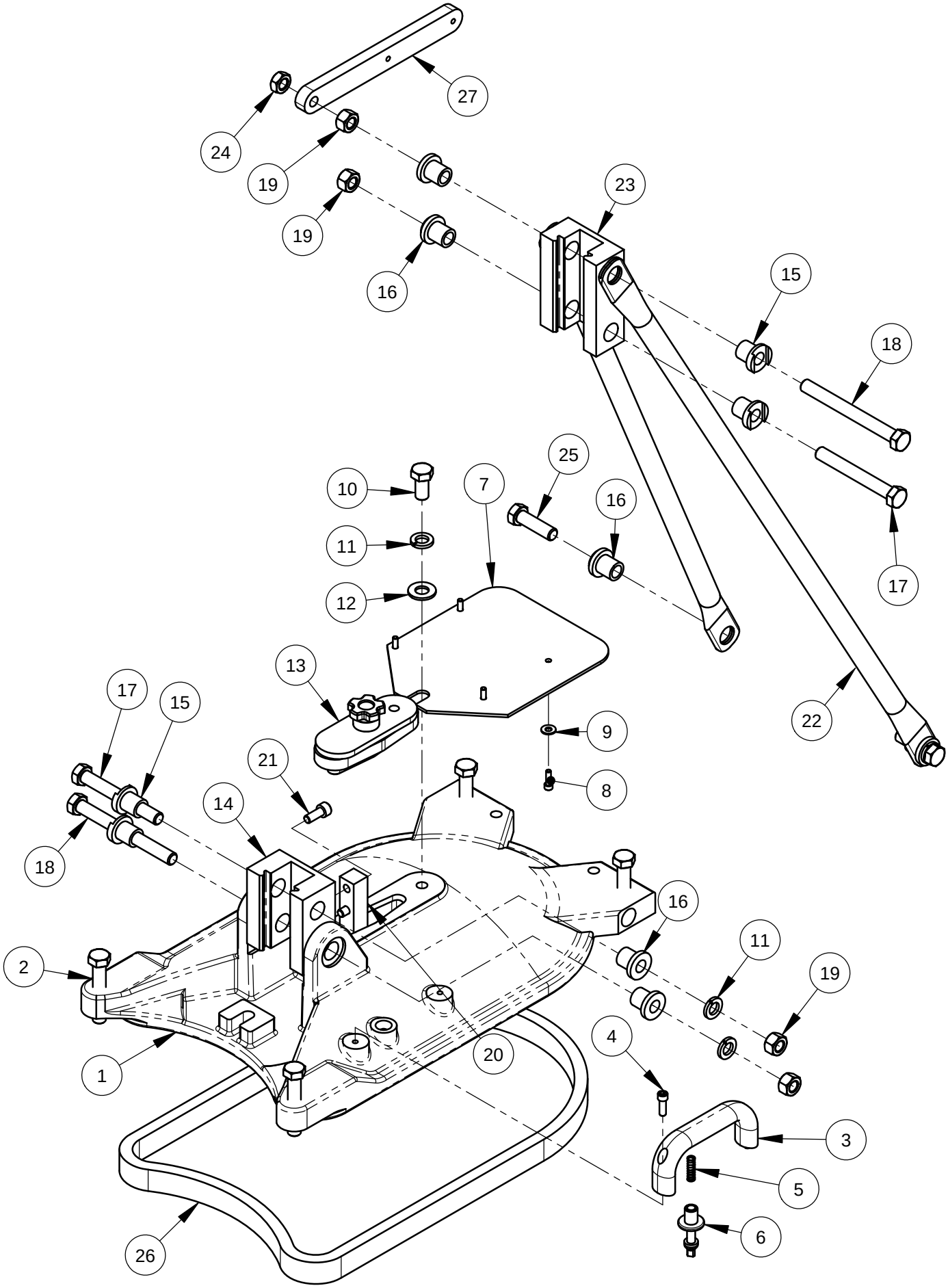


M-5 Pro Carriage Assembly #4600201

ITEM	PART NO.	QTY.	DESCRIPTION
1	4600262	1	M-5 Pro Carriage
2	4600243	1	Drive Shaft
3	3401280	2	Ring, 15 x 20 x 14mm
4	4600240	2	Needle Bearing RNA 4902
5	3401276	1	Key, 5 x 16.5 mm
6	3403141	1	Gear Wheel
7	4600241	1	Retaining Ring, Ext. 15mm
8	3401292	1	Washer, M14 15/24/2.5
9	4600259	1	Pinion Lock Ring
10	3401279	1	Grooved Pin, M5 x 28mm
11	3401106	1	Bearing, Needle NK 10/12
12	3401891	1	Crankshaft (Short)
13	3400146	1	Bearing, Ball 6002-2RS
14	3402154	1	Gear Housing
15	4600242	1	Locking Bolt, M12
16	4600263	2	Grease Nipple D1 M8
17	3401852	1	Cam Shaft Bushing
18	3401289	2	Screw, HCCB-7S Clamping
19	4600256	1	Cam Shaft Housing
20	4600258	1	Cam Shaft (Eccentric)

ITEM	PART NO.	QTY.	DESCRIPTION
21	4600261	3	Thread-Tack M8 to BC-2
22	2900562	2	Cap Screw, Soc. Hd. , M6-1.0 x 8mm
23	3400366	1	Grease Nipple, D1 M8
24	2900345	2	Cap Screw, Soc. Hd., M6 x 1 x 30mm
25	3401272	2	Straight Pin, M6 X 24
26	4600252	2	Roller Shaft Cyl.
27	4600253	2	Stop Shaft Nut, M12
28	4600246	1	Spring Steel Clip
29	2901387	1	Cap Screw, Soc. Hd..M3-.5 x 8mm
30	4600247	2	Adapter
31	4600260	2	M5 x 24mm Pullout Dowel Pin
32	3401016	2	Set Screw, M6 x 6
33	4600245	1	Tensioning Screw
34	4600244	1	Sliding Block
35	3402019	1	Capscrew, Soc.Hd. M8 x 35mm
36	4600257	1	Handle
37	4600251	2	Roller Shaft, Eccentric
38	4600249	8	Distance Ring
39	4600250	4	Bearing Shell
40	2901386	2	Jam Nut, M12-1.75
41	4600248	4	Roller Assembly w/Bearing

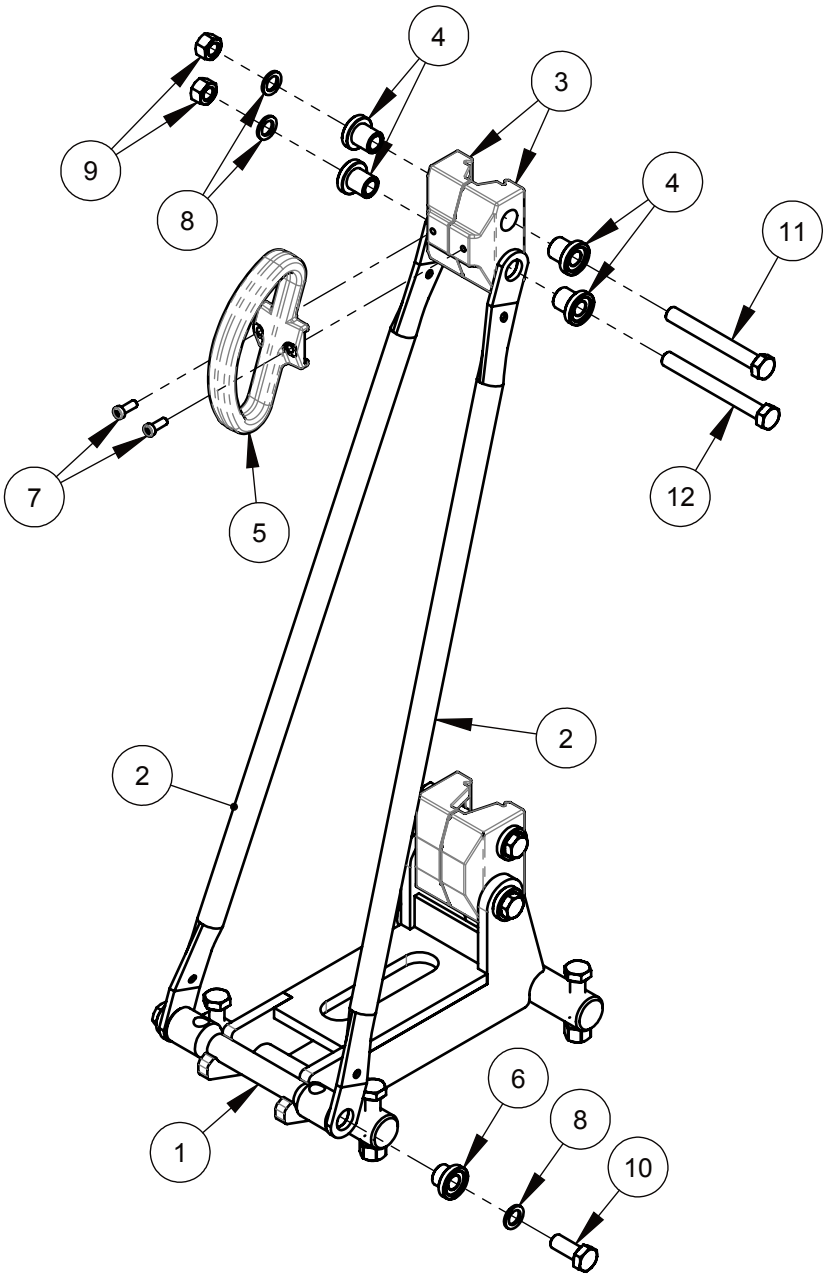
M-5 Pro Combo Base Assembly #4600190



M-5 Pro Combo Base Assembly #4600190

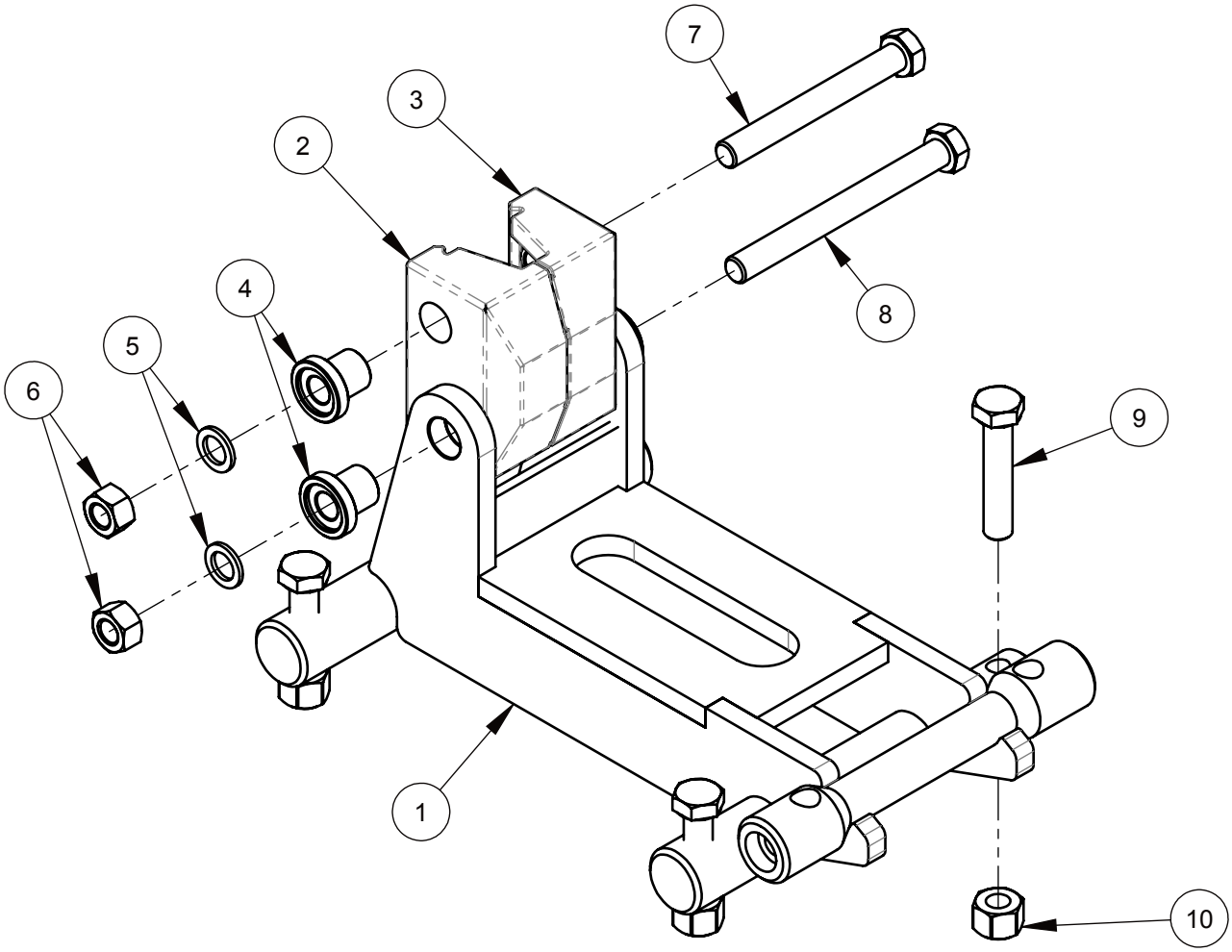
ITEM	PART NO.	QTY.	DESCRIPTION
1	4600210	1	M-5 Pro Combo Base
2	2900541	4	Tap Bolt, Hex Hd., 1/2-13 x 2-3/4"
3	4600015	1	Base Handle
4	2900247	2	Cap Screw, Soc. Hd., 1/4-20 x 3/4"
5	2400149	1	Spring, 1" Long
6	4600022	1	Vacuum Release Valve
7	4600120	1	Vacuum Pump Platform
8	2900087	4	Cap Screw, Soc. Hd., #10-32 x 5/8"
9	2900016	4	Flat Washer, #10 USS
10	2900086	1	Cap Screw, Hex Hd., 1/2-13 x 1"
11	2900084	6	Lock Washer, 1/2" Split
12	2900058	1	Flat Washer, 1/2" SAE
13	4600046	1	Slot Cap Assembly
14	4600207	1	Mast Support Clamp
15	2400139	4	Clamping Bushing
16	2400140	6	Tension Bushing
17	2900509	2	Cap Screw, Hex Hd., 1/2-13 x 4"
18	2900395	2	Cap Screw, Hex Hd., 1/2-13 x 5"
19	2900037	4	Hex Nut, 1/2-13
20	4600209	1	Stop Bar
21	2900243	2	Cap Screw, Soc. Hd., M8-1.25 x 20mm
22	4600107	2	Angle Brace Tube
23	4600208	1	Mast Sliding Clamp
24	2900129	1	Jam Nut, 1/2-13
25	2900139	2	Cap Screw, Hex Hd., 1/2-13 x 1-3/4"
26	4600132	1	Vacuum Gasket
27	4600211	1	Mount Bar, Control Panel

M-5 Pro Anchor Base Assembly #4600191



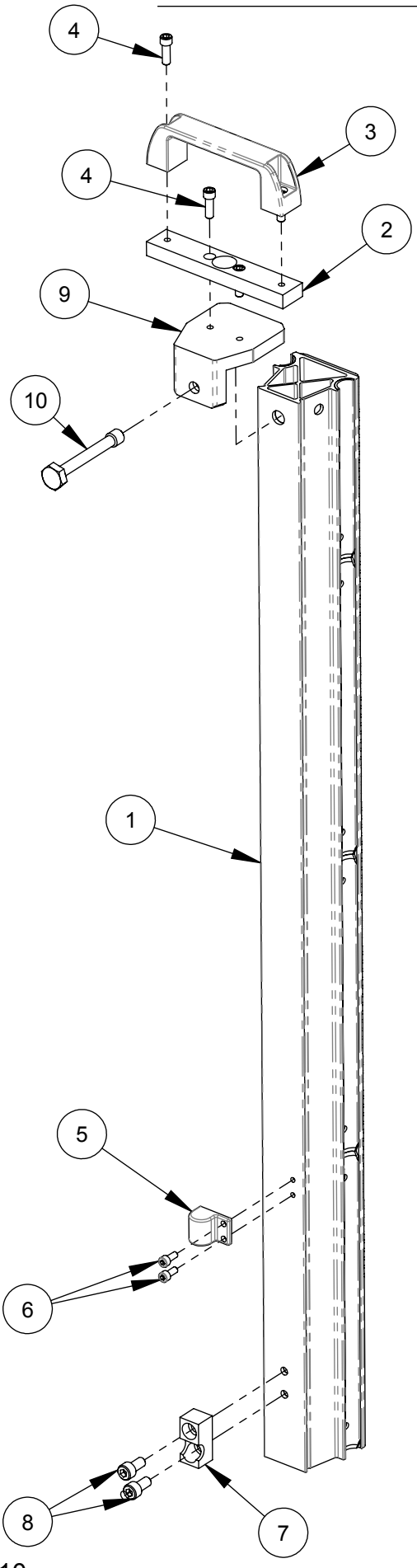
ITEM	PART NO.	QTY.	DESCRIPTION
1	4600199	1	Anchor Base w/Harware
2	4600265	2	Angle Brace
3	3403288	2	Locking Clamp
4	4600268	4	Tension Bushing
5	4600264	1	Handle
6	4600270	2	Bushing, for M12 Screw
7	3400709	2	Cap Screw, Soc. Low Hd. , M6 x 16mm
8	3403010	4	Washer, M12 20/13/2mm
9	2900482	2	Hex Nut, M12-1.75
10	2900330	2	Cap Screw, Hex Hd., M12 x 1.75 x 30mm
11	2900347	1	Cap Screw, Hex Hd., M12-1.75 x 100mm
12	2900348	1	Cap Screw, Hex Hd., M12-1.75 x 110mm

M-5 Pro Anchor Base Assembly #4600199



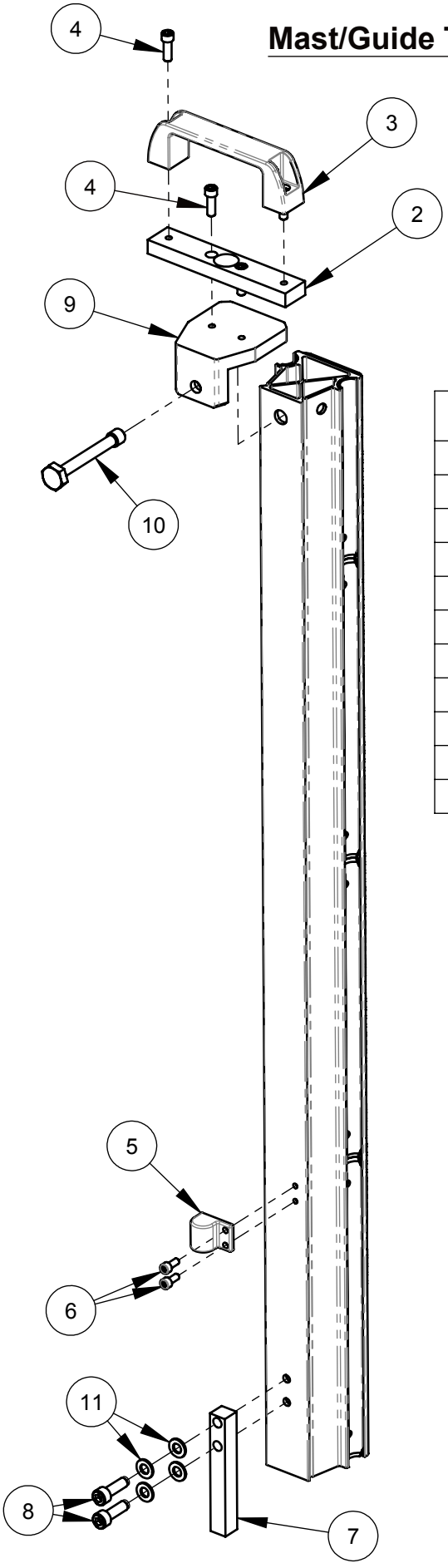
ITEM	PART NO.	QTY.	DESCRIPTION
1	4600269	1	Anchor Base
2	4600266	1	Tensioning Block-Left
3	4600267	1	Tensioning Block-Right
4	4600268	4	Tension Bushing
5	3403010	2	Washer, M12 20/13/2mm
6	2900482	2	Hex Nut, M12-1.75
7	2900347	1	Cap Screw, Hex Hd., M12-1.75 x 100mm
8	2901390	1	Cap Screw, Hex Hd., M12-1.75 x 120mm
9	3402058	4	Cap Screw, Hex Hd., M12-1.75 x 60mm
10	4600275	4	Hex Cap Nut, M12-1.75

M-5 Pro Rig
Mast/Guide Track Assembly for Combination Base #4600224



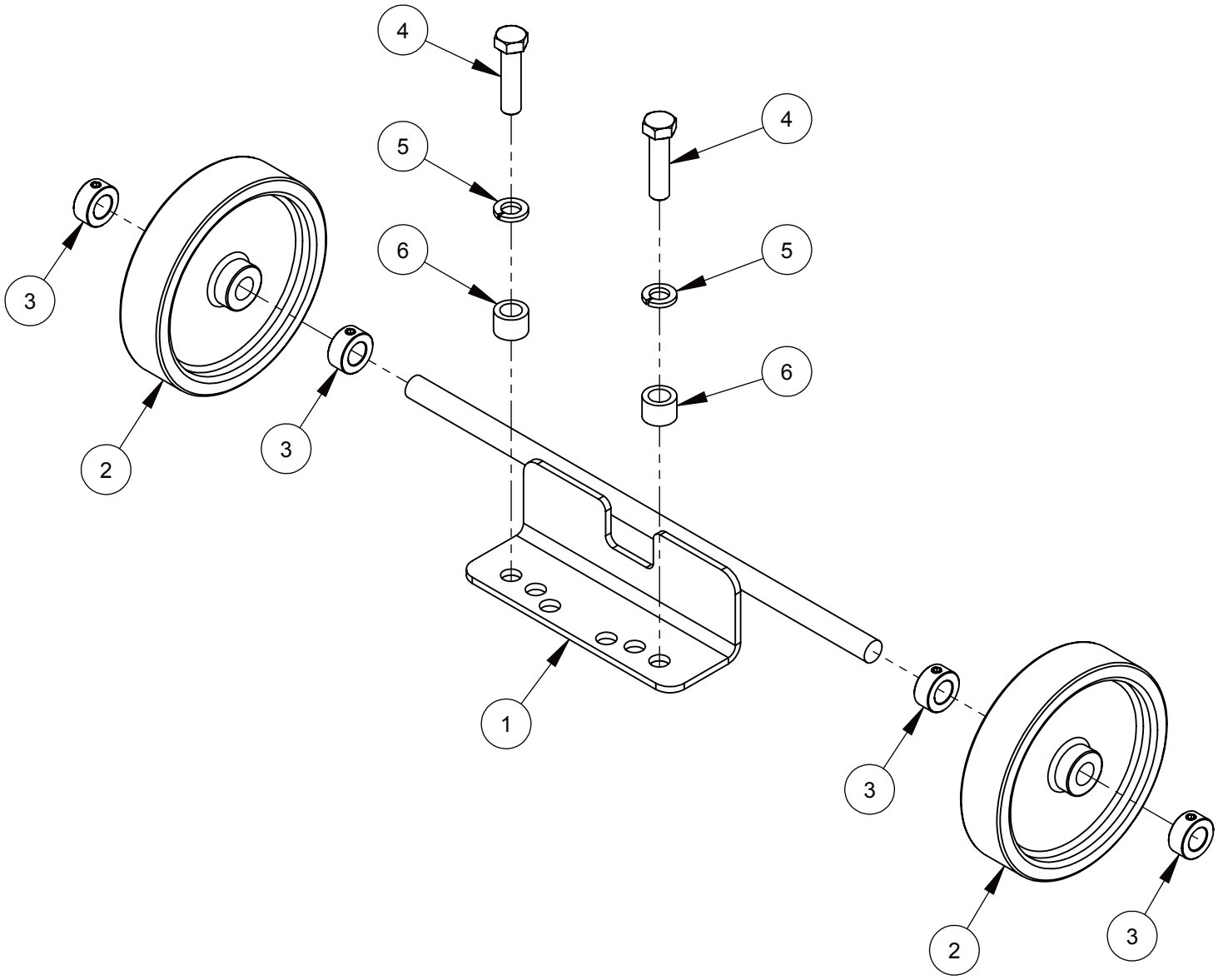
ITEM	PART NO.	QTY.	DESCRIPTION
1	4600217	1	Guide Track/Mast
2	4600105	1	Handle Plate
3	2400145	1	Mast Handle
4	2900247	4	Cap Screw, Soc. Hd., 1/4-20 x 3/4"
5	4600219	1	Water Level
6	3401858	2	Cap Screw, Socket Head, M5 x 0.8 x 12mm
7	4600212	1	Stop Block
8	2900267	2	Cap Screw, Soc. Hd., M8-1.25 x 16mm
9	4600223	1	Cover/End Cap, Machined
10	4600222	1	Captive Screw

M-5 Pro Rig
Mast/Guide Track Assembly for Anchor Base #4600225



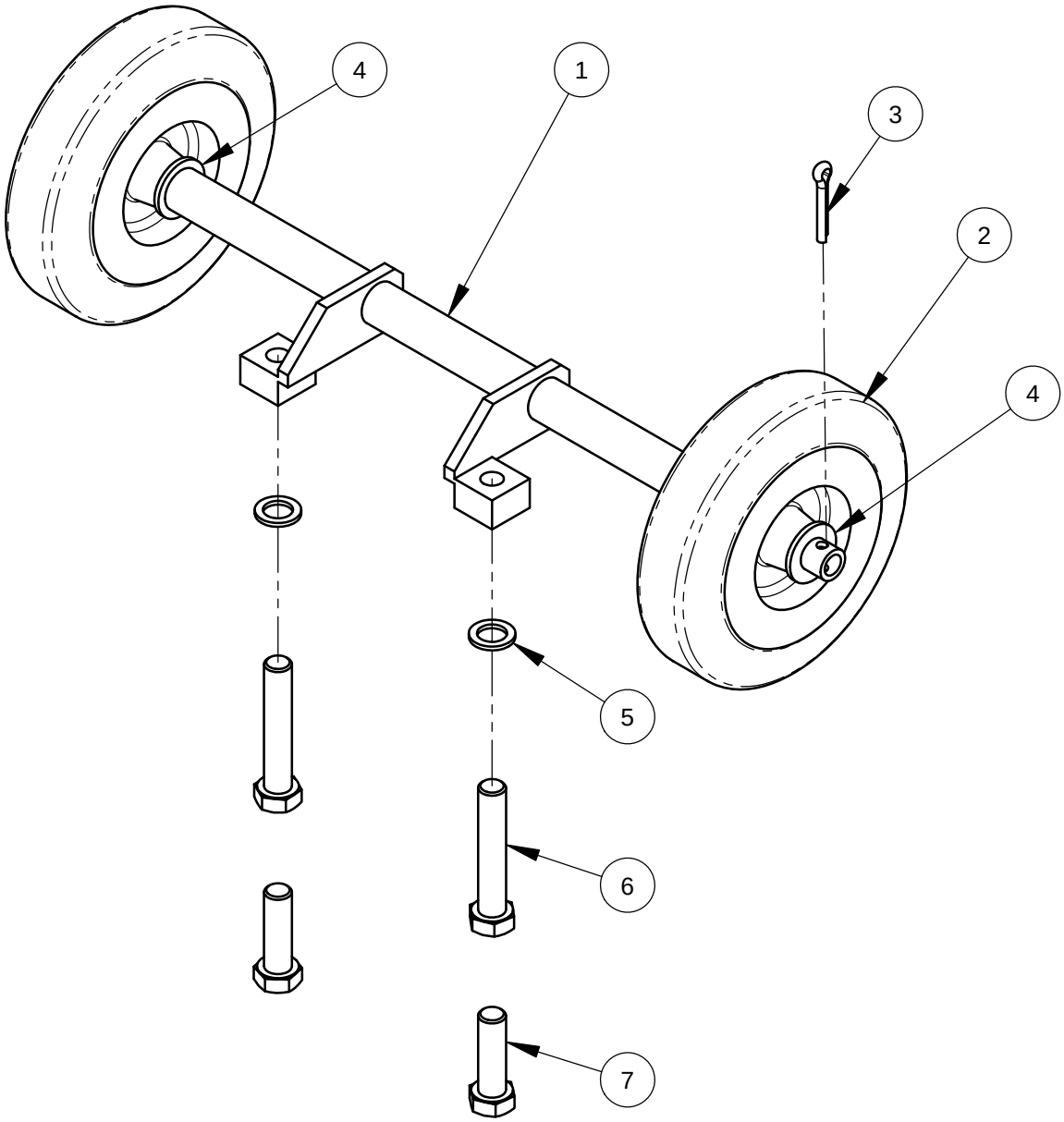
ITEM	PART NO.	Standard/ QTY.	DESCRIPTION
1	4600217	1	Guide Track/Mast
2	4600105	1	Handle Plate
3	2400145	1	Mast Handle
4	2900247	4	Cap Screw, Soc. Hd., 1/4-20 x 3/4"
5	4600219	1	Water Level
6	3401858	2	Cap Screw, Socket Head, M5 x 0.8 x 12mm
7	4600220	1	End Stop, M-5 Pro Mast
8	2900161	2	Cap Screw, Soc. Hd., M8-1.25 x 25mm
9	4600223	1	Cover/End Cap, Machined
10	4600222	1	Captive Screw
11	2901336	4	Flat Washer, M8

Wheel Assembly #4600125 for Combination Base



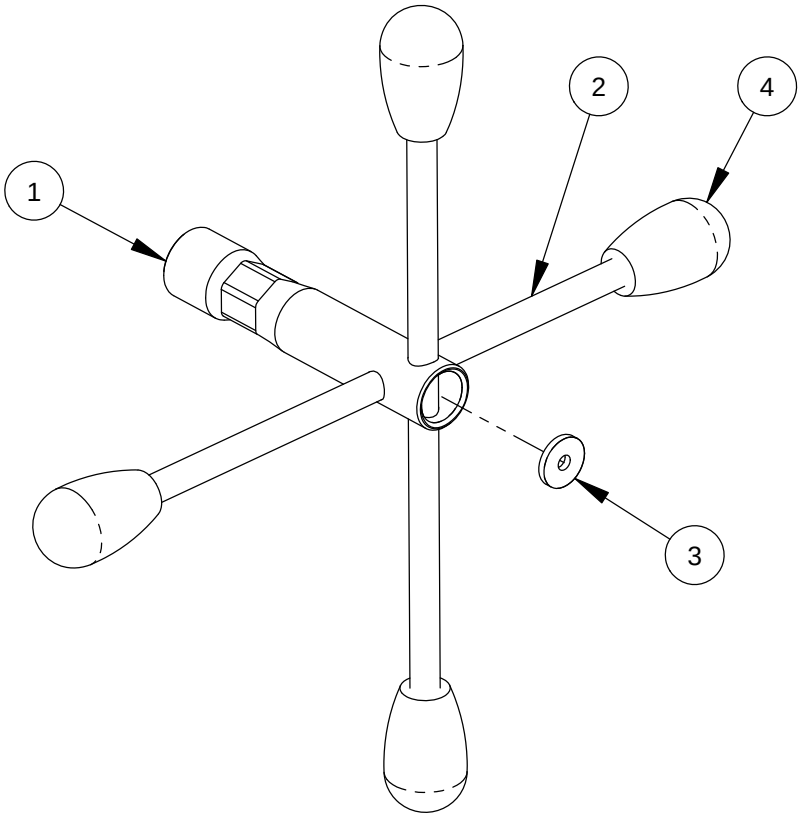
ITEM	PART NO.	QTY.	DESCRIPTION
1	4646079	1	Wheel Mount Bracket
2	2400004	2	Wheel, 6"
3	2500008	4	Set Collar, 5/8" with Set Screw
4	2900106	2	Cap Screw, Hex Hd., 1/2-13 x 2"
5	2900084	2	Lock Washer, 1/2" Split
6	4600126	2	Spacer, 5/8" Long

Wheel Assembly (SK-8, WCH-14, M-5 Pro) #3402052



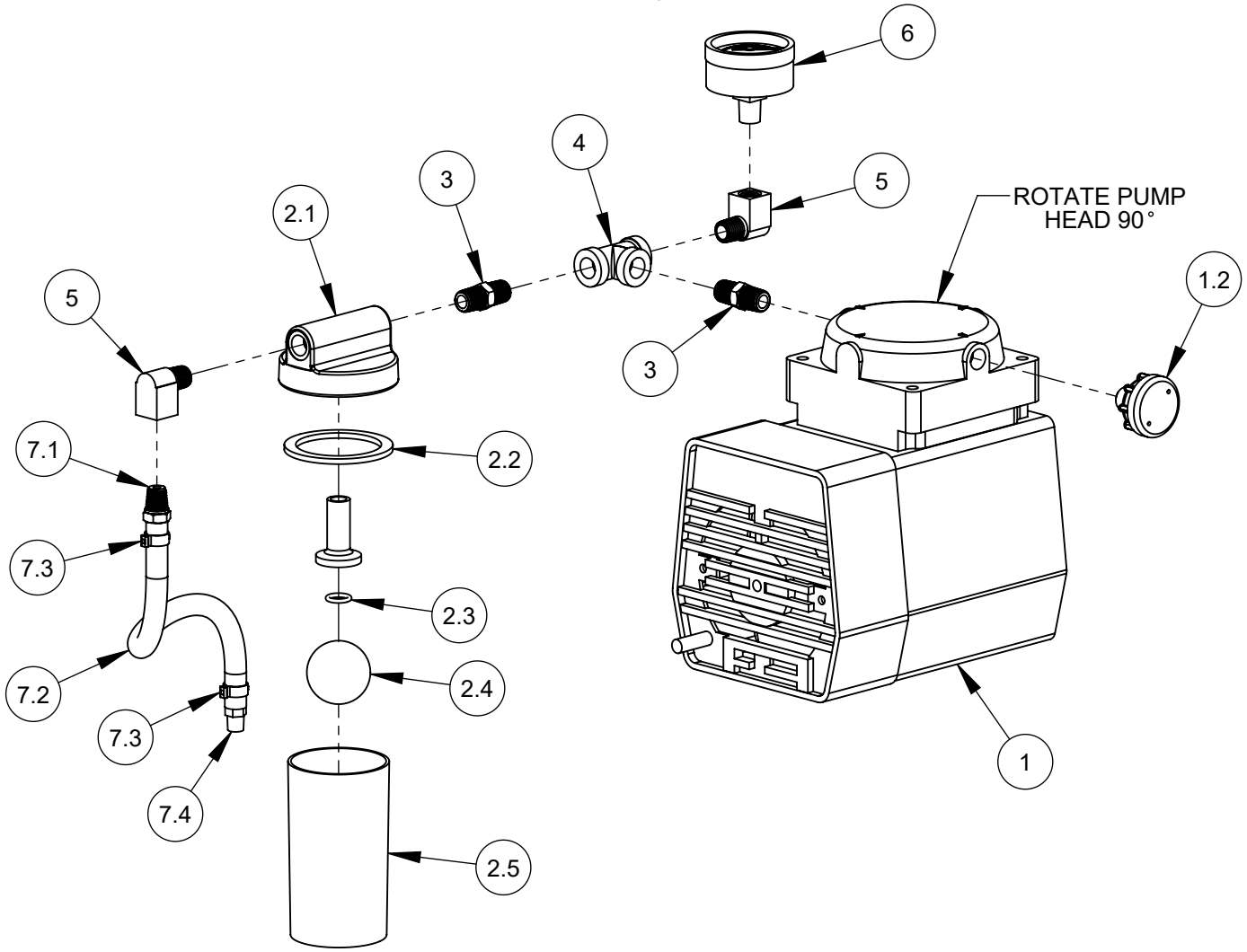
ITEM	PART NO.	QTY.	DESCRIPTION
1	4600271	1	Wheel Weldment
2	4600228	2	Rubber Wheel, 5-1/2"
3	2900055	2	Cotter Pin, 3/16" x 1"
4	2900326	4	Flat Washer, M14
5	2903247	2	Washer M12 20MM x 13MM x 2MM
6	2900359	2	Cap Screw, Hex Hd., M12-1.75 x 65mm
7	2900331	2	Cap Screw, Hex Hd., M12-1.75 x 40mm

M-5 Pro Rig
Manual Crank Assembly #4600202



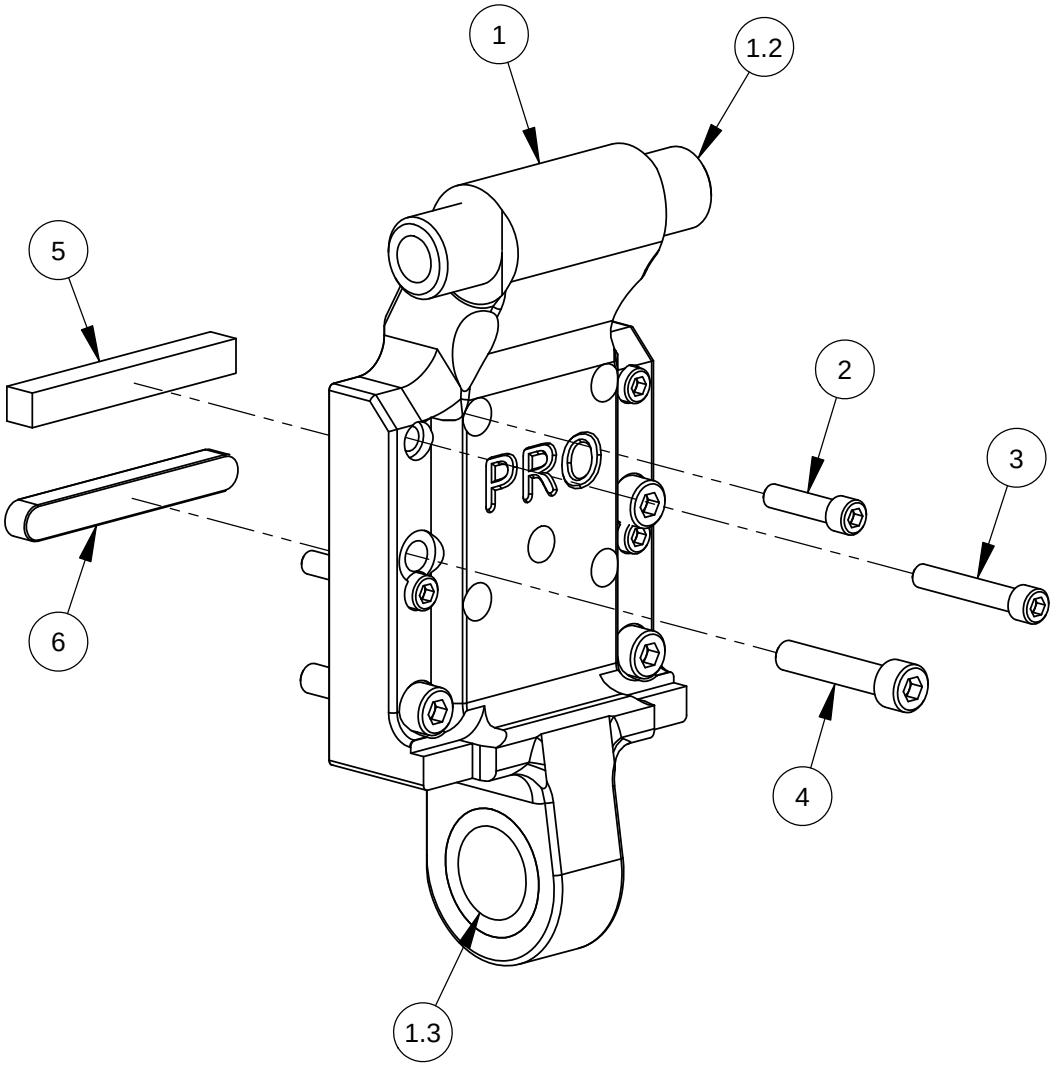
ITEM	PART NO.	QTY.	DESCRIPTION
1	4600213	1	Crank Pin
2	4600214	2	Driving Rod, Long
3	4600216	1	Friction Piece
4	4600215	4	Crank Pin Knob, Diam. 12

Vacuum Pump Assembly (115 Volt) #4244090



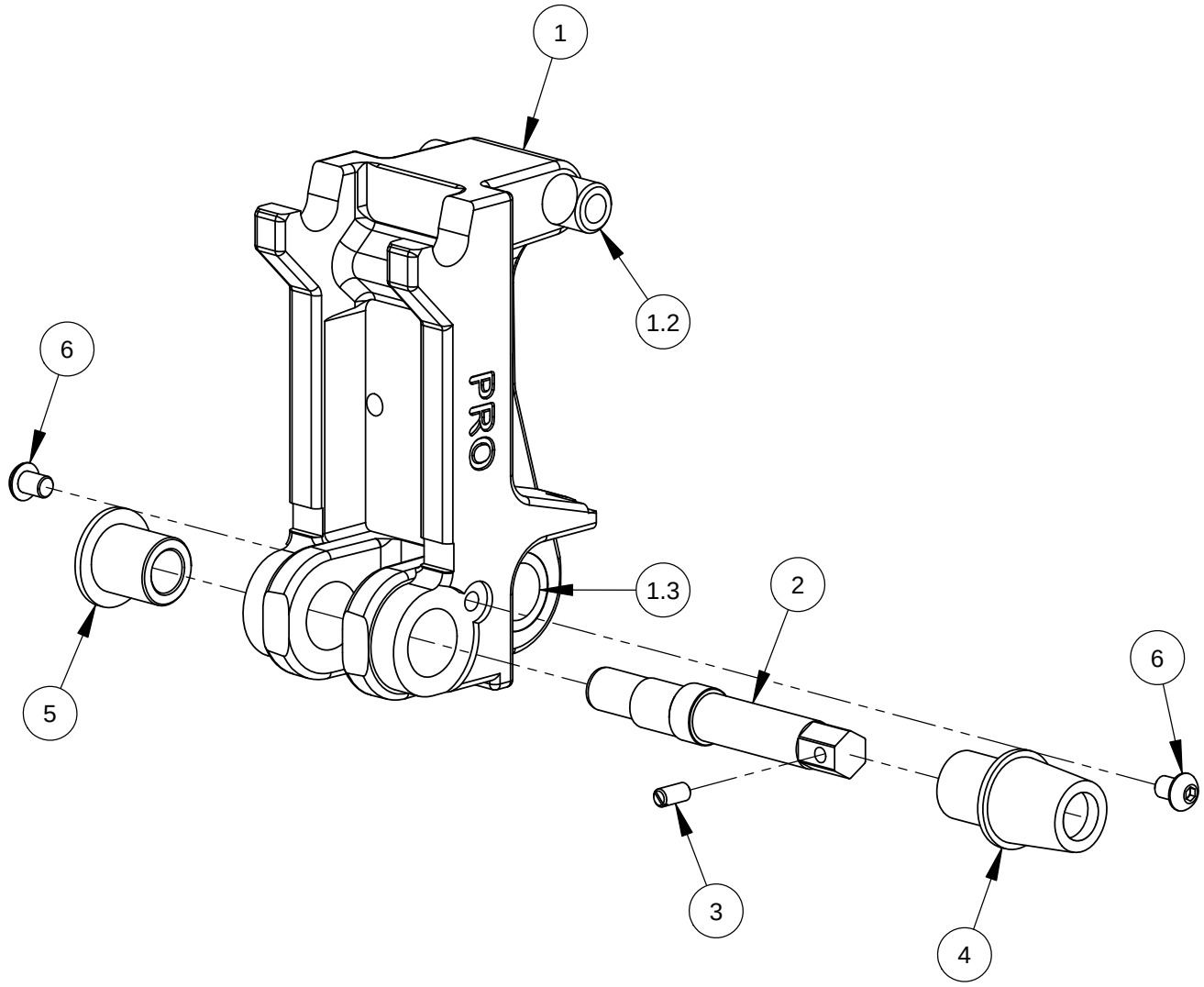
ITEM	PART NO.	QTY.	DESCRIPTION
1	2600016	1	Vacuum Pump
1.2	2700168	1	Muffler
2	2700171	1	Water Jar Assembly
2.1	2700014	1	Water Jar Lid
2.2	2700017	1	Water Jar Gasket
2.3	2400327	1	O-Ring
2.4	2700172	1	Float Ball
2.5	2700170	1	Water Trap Jar
3	3200060	2	Hex Nipple, 1/4" NPT
4	3200010	1	Pipe Tee, 1/4" FPT
5	3200012	2	Street Elbow, 1/4" NPT
6	2700164	1	Gauge, Vacuum
7	4699490	1	Hose Assembly
7.1	3200019	1	Fitting, 1/4" M. Pipe to 1/4" Hose Barb
7.2	4699430	1	Air Hose, 9-1/4" Long
7.3	3200017	2	Clamp, Pinch On
7.4	3200018	1	Fitting, 1/8" M. Pipe to 1/4" Hose Barb

QD Motor Mount Assembly #4600204



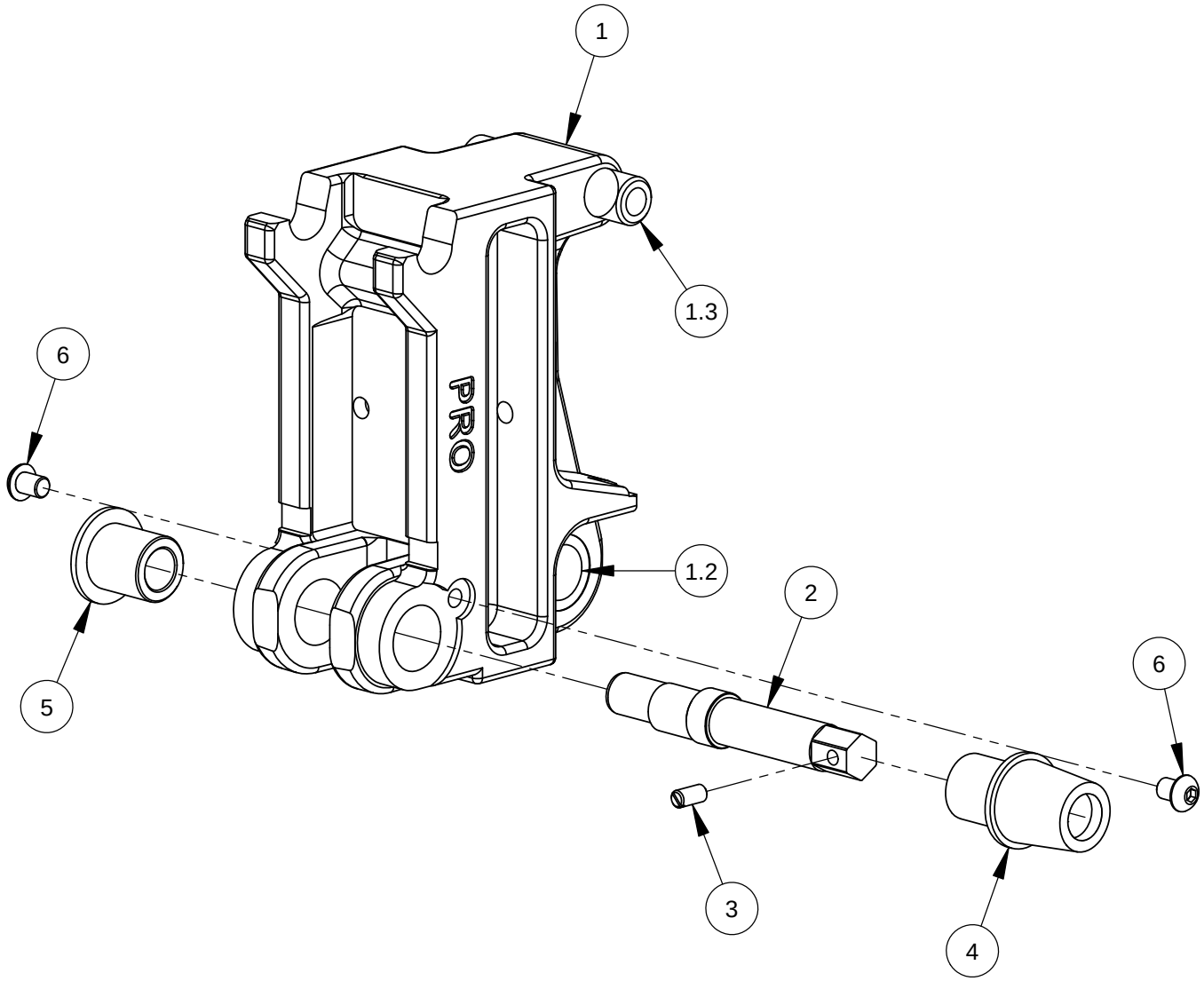
ITEM	PART NO.	QTY.	DESCRIPTION
1	4600205	1	QD Motor Mount
1.2	4600111	1	Support Tube
1.3	2400144	1	Bronze Bearing, 1-3/8" x 1"
2	2900089	4	Cap Screw, Soc. Hd., 1/4-28 x 1"
3	2900399	4	Cap Srew, Soc Hd., 1/4-20 x 1-1/2"
4	2900398	4	Cap Screw, Soc. Hd., M8-1.25 x 40mm
5	4600131	1	Key, 3/8" Sq. x 3"
6	2900397	1	Parallel Key, 10mm x 8mm x 80mm

QD Outrigger Assembly #4400252



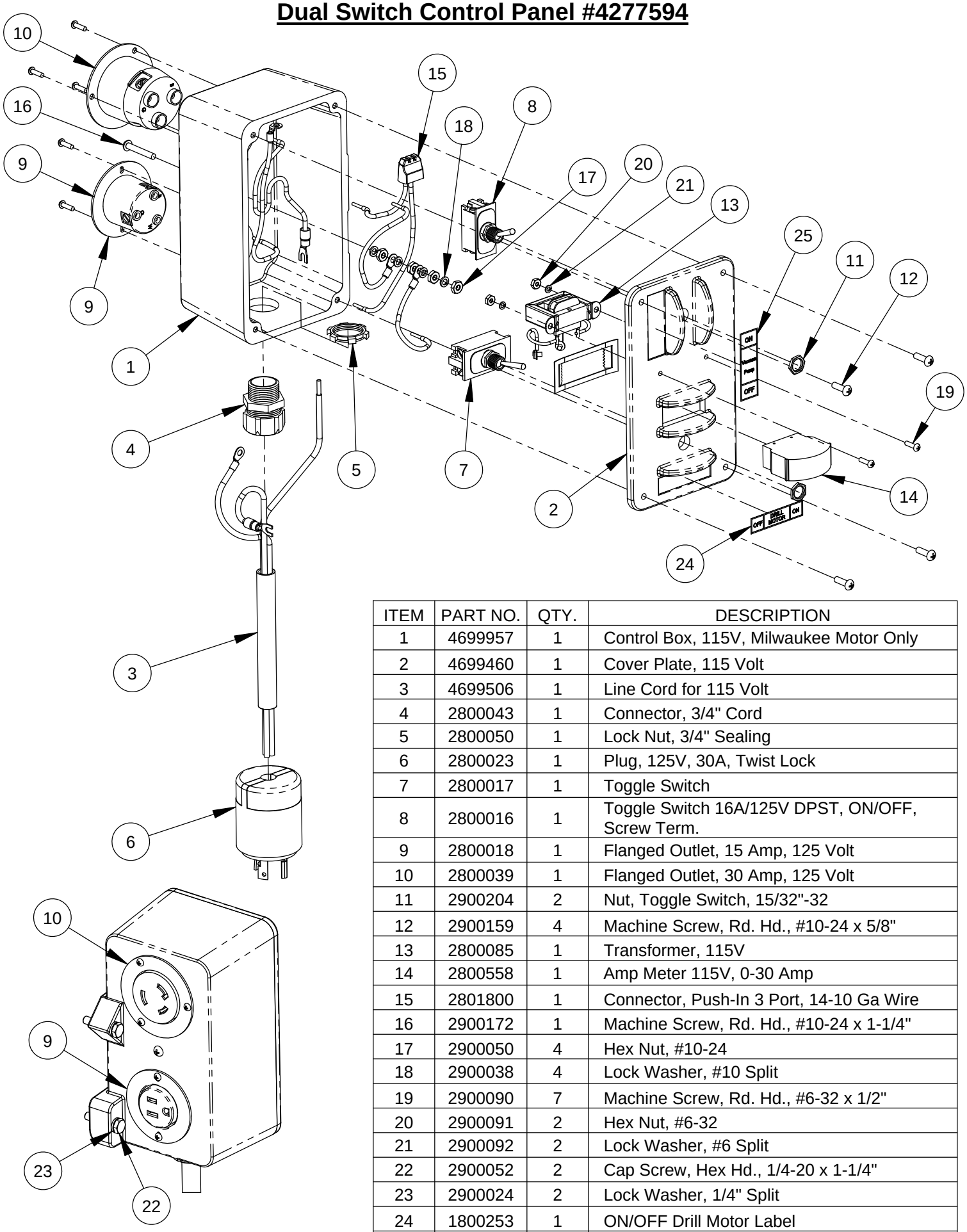
ITEM	PART NO.	QTY.	DESCRIPTION
1	4400254	1	QD Outrigger
1.2	4600111	1	Support Tube
1.3	2400144	1	Bronze Bearing, 1-3/8" x 1"
2	4600108	1	Cam Lock Shaft
3	2400143	1	Ball Plunger M8
4	4600109	1	Cam Shaft Housing
5	4600110	1	Cam Shaft Bushing
6	2900285	2	Cap Screw, Button Hd., 3/8-24 x 1/2"

QD Outrigger Assembly #4400253



ITEM	PART NO.	QTY.	DESCRIPTION
1	4400255	1	QD Outrigger
1.2	2400144	1	Bronze Bearing, 1-3/8" x 1"
1.3	4600111	1	Support Tube
2	4600108	1	Cam Lock Shaft
3	2400143	1	Ball Plunger M8
4	4600109	1	Cam Shaft Housing
5	4600110	1	Cam Shaft Bushing
6	2900285	2	Cap Screw, Button Hd., 3/8-24 x 1/2"

Dual Switch Control Panel #4277594



ITEM	PART NO.	QTY.	DESCRIPTION
1	4699957	1	Control Box, 115V, Milwaukee Motor Only
2	4699460	1	Cover Plate, 115 Volt
3	4699506	1	Line Cord for 115 Volt
4	2800043	1	Connector, 3/4" Cord
5	2800050	1	Lock Nut, 3/4" Sealing
6	2800023	1	Plug, 125V, 30A, Twist Lock
7	2800017	1	Toggle Switch
8	2800016	1	Toggle Switch 16A/125V DPST, ON/OFF, Screw Term.
9	2800018	1	Flanged Outlet, 15 Amp, 125 Volt
10	2800039	1	Flanged Outlet, 30 Amp, 125 Volt
11	2900204	2	Nut, Toggle Switch, 15/32"-32
12	2900159	4	Machine Screw, Rd. Hd., #10-24 x 5/8"
13	2800085	1	Transformer, 115V
14	2800558	1	Amp Meter 115V, 0-30 Amp
15	2801800	1	Connector, Push-In 3 Port, 14-10 Ga Wire
16	2900172	1	Machine Screw, Rd. Hd., #10-24 x 1-1/4"
17	2900050	4	Hex Nut, #10-24
18	2900038	4	Lock Washer, #10 Split
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	2900052	2	Cap Screw, Hex Hd., 1/4-20 x 1-1/4"
23	2900024	2	Lock Washer, 1/4" Split
24	1800253	1	ON/OFF Drill Motor Label
25	1800254	1	ON/OFF Vacuum Pump Label

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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