

Ideal 1100 Parts Manual

SIP[™]
Simplex Ideal Peerless



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Part Number 20018-00-37175

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Introduction

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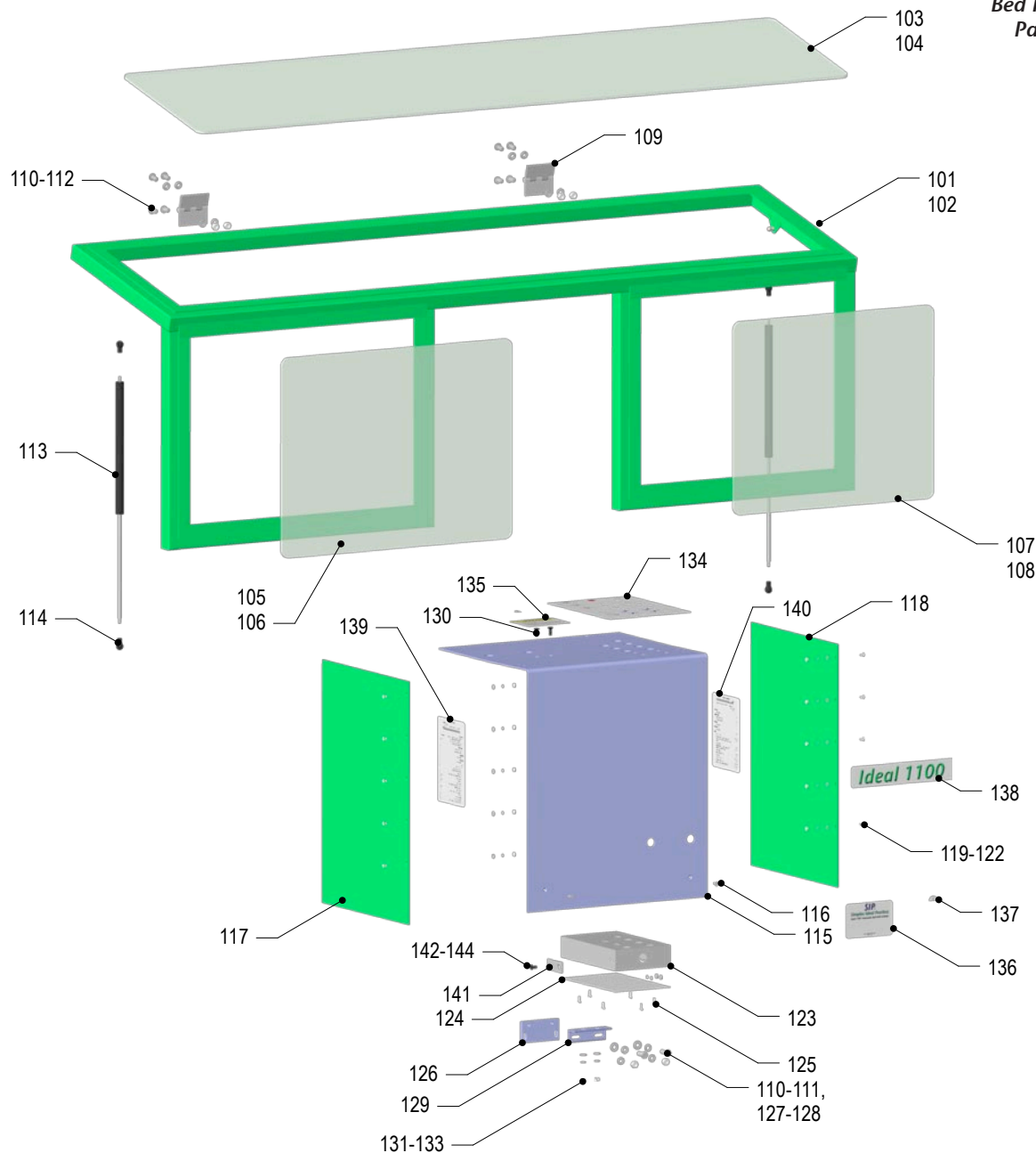
To order replacement parts, please supply your dealer with the part number, quantity, and description of each part. Each part in the illustration has an item number. The item number for a part also appears in the parts list, with information about the part.

Doors

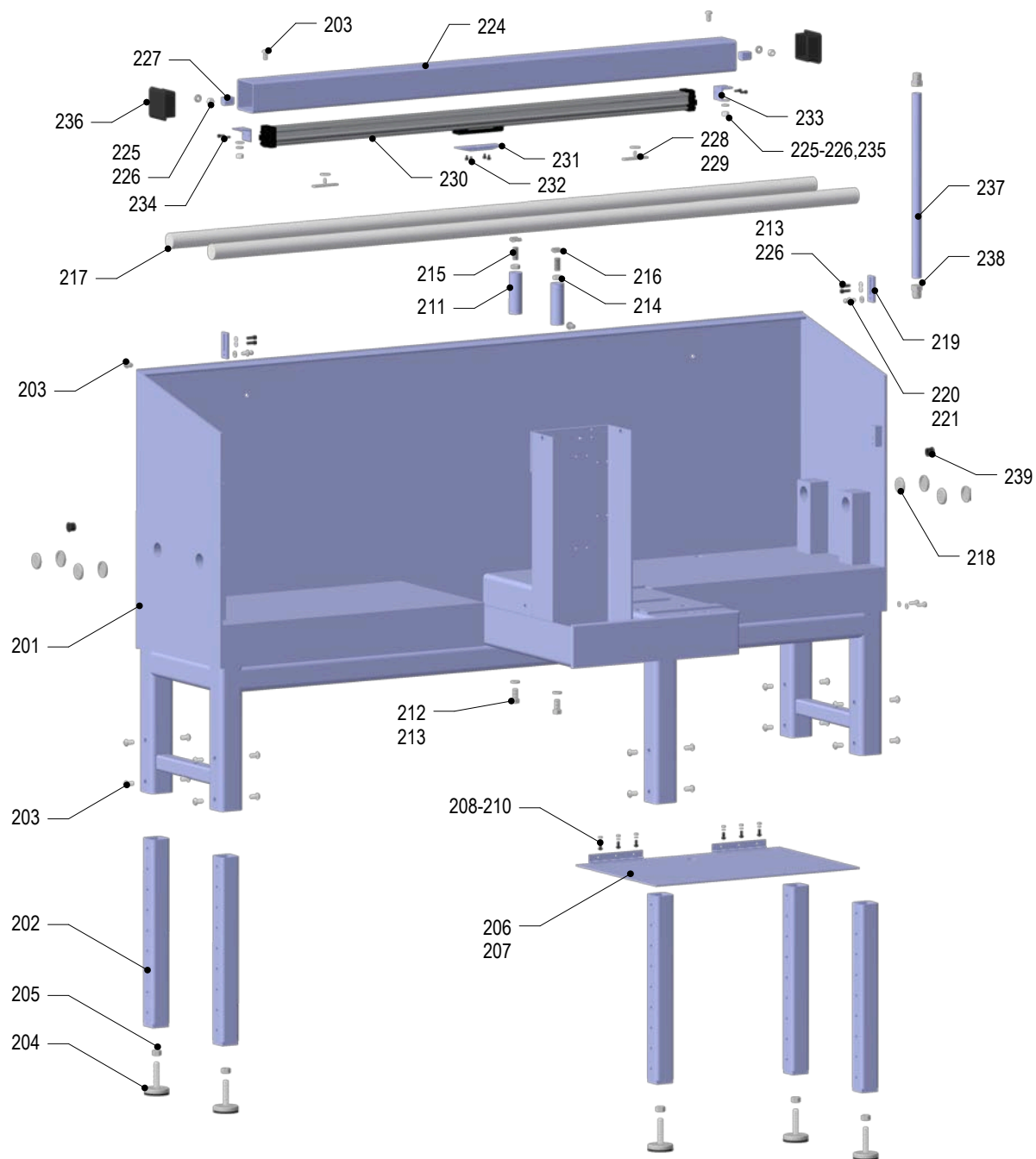
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Ideal 1100
Bed Knife Grinder
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Item	Qty	Part No	Description
101	1 each	60015-01	Door
102	264 inches	11027-03	Gasket
103	1 each	60060-01	Top Panel
104	172 inches	11027-04	Window Gasket
105	1 each	60060-02	Left Panel
106	85 inches	11027-04	Window Gasket
107	1 each	60060-03	Right Panel
108	81 inches	11027-04	Window Gasket
109	2 each	77505-01	Hinge
110	6 each	12006-01	3/8-16 Nut
111	12 each	12106-01	3/8 Lock Washer
112	8 each	14006-06	3/8-16 x 3/4 SS Button Head Bolt
113	2 each	60055-01	Gas Spring
114	4 each	60050-02	Ball Socket
115	1 each	60035-01	Hood
116	2 each	13003-04	#10-24 x 1/2 Flat Head Screw
117	1 each	60030-01	Left Access Door
118	1 each	60030-02	Right Access Door
119	10 each	14502-03	#8-32 x 3/8 Flat Head Screw
120	10 each	12102-01	#8 Lock Washer
121	10 each	12202-01	#8 Washer
122	10 each	12002-01	#8-32 Nut
123	1 each	60080-01	Switch Box
124	1 each	60080-11	Switch Box Cover
125	6 each	13103-06	#10 Self Drilling Screw
126	1 each	60075-01	Hood Bracket
127	2 each	12306-10	3/8-16 x 1 Bolt
128	2 each	12206-01	3/8 Washer
129	1 each	60675-01	Hood Angle Bracket
130	2 each	14504-06	1/4-20 x 3/4 Flat Head Screw
131	2 each	12004-01	1/4 Washer
132	2 each	12104-01	1/4 Lock Washer
133	2 each	12204-01	1/4-20 Nut
134	1 each	70043-01	Face Plate Label
135	1 each	70001-01	Warning Label
136	1 each	70031-08	Serial Number Label
137	2 each	70045-01	Dial Pointer Label
138	1 each	70046-01	Model Label
139	1 each	70050-01	Top Face Chart
140	1 each	70050-02	Front Face Chart
141	1 each	60650-01	Mist Hose Support
142	2 each	12303-04	#10-24 x 1/2 Slotted Head Screw
143	2 each	12103-01	#10 Lock Washer
144	2 each	12003-01	#10-24 Nut
145	32 in	11027-05	Door Gasket



Table



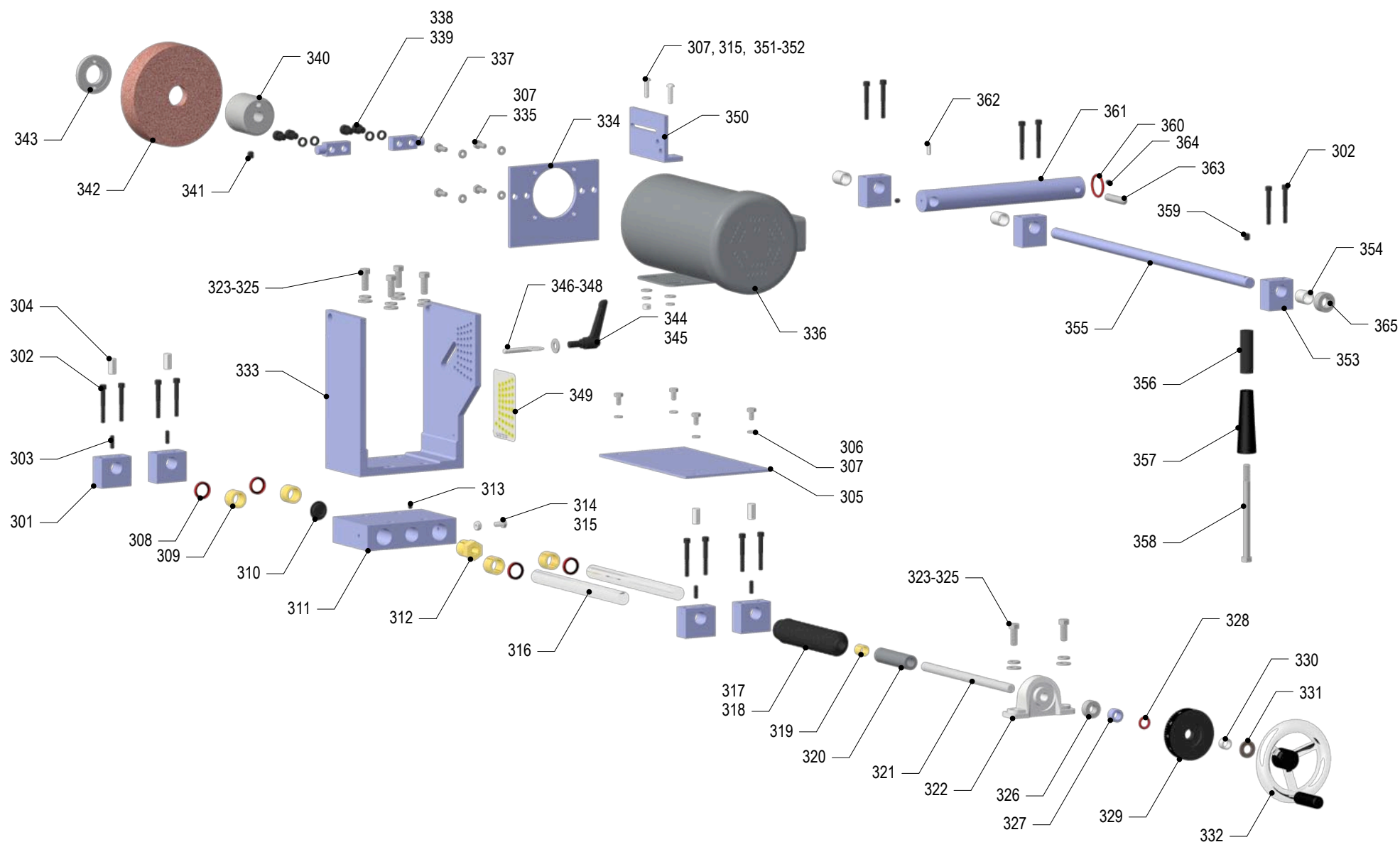
Item	Qty	Part No	Description
201	1 each	60010-01	Table
202	5 each	60085-01	Leg
203	24 each	14006-06	3/8-16 x 3/4 SS Button Head Bolt
204	5 each	77219-02	Machinery Mount
205	5 each	12008-01	1/2-13 Nut
206	1 each	60070-01	Component Panel
207	75 inches	11027-02	Gasket
208	6 each	12303-04	#10-24 x 1/2 Screw
209	6 each	12103-01	#10 Lock Washer
210	6 each	12003-01	#10-24 Nut
211	2 each	60065-01	Shaft Support
212	2 each	12308-06	1/2-20 x 3/4 Bolt
213	2 each	12108-01	1/2 Lock Washer
214	2 each	12808-02	1/2-20 Jam Nut
215	2 each	77407-01	Track Shaft Support
216	2 each	77405-01	Track Shaft Pad
217	2 each	71305-07	Hard Chrome Track Shaft
218	8 each	77334-02	1-1/2 Expansion Plug
219	2 each	60040-01	Gas Spring Support
220	2 each	60050-01	Ball Stud

Item	Qty	Part No	Description
221	2 each	12105-01	5/16 Lock Washer
222	4 each	12404-06	1/4-20 x 3/4 Socket Head Bolt
223	4 each	12104-01	1/4 Lock Washer
224	1 each	60020-01	Cylinder Tube
225	4 each	12106-01	3/8 Lock Washer
226	4 each	12006-01	3/8-16 Nut
227	2 each	60090-01	Travel Stop
228	2 each	60095-01	Travel Stop Screw
229	2 each	12204-02	1/4 Fender Washer
230	1 each	77013-04	Cylinder
231	1 each	77215-03	Cylinder Latch Bracket
232	4 each	12403-02	#10-24 x 1/4 Socket Head Bolt
233	2 each	77213-02	Cylinder Mounting Bracket
234	4 each	12403-04	#10-24 x 1/2 Socket Head Bolt
235	2 each	12206-01	3/8 Washer
236	2 each	60025-02	Cylinder Tube Cap
237	17.2 inches	75093-45	Conduit
238	2 each	75093-44	Conduit Connector
239	3 each	73170-11	Plug

Front Grinding Head

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Item	Qty	Part No	Description
301	4 each	60505-01	Shaft Block
302	14 each	12404-20	1/4-20 x 2 Socket Head Bolt
303	4 each	12504-06	1/4-20 x 3/4 Set Screw
304	4 each	13504-02	1/4-20 x 7/8 Coupling Nut
305	1 each	60655-01	Spark Shield
306	4 each	12304-04	1/4-20 x 1/2 Bolt
307	10 each	12104-01	1/4 Lock Washer
308	4 each	60590-01	Seal
309	4 each	16350-05	Bushing
310	1 each	73170-10	Plug
311	1 each	60515-01	Grinding Head Mount*
312	1 each	60550-01	Brass Feed Nut
313	1 each	12504-02	1/4-20 x 1/4 Set Screw
314	1 each	12304-10	1/4-20 x 1 Bolt
315	3 each	12004-01	1/4-20 Nut
316	2 each	60510-01	Chrome Bar
317	1 each	77324-01	Boot
318	1 each	15023-03	Tie Wrap
319	1 each	16350-06	Bushing
320	1 each	60575-03	Screw Cover
321	1 each	60545-02	Front Face Feed Screw
322	1 each	60555-01	Pillow Block Bearing
323	6 each	12306-10	3/8-16 x 1 Bolt
324	6 each	12106-01	3/8 Lock Washer
325	6 each	12206-01	3/8 Washer
326	1 each	74027-03	Collar
327	1 each	60665-01	Hand Dial Spacer
328	1 each	15034-03	O-ring
329	1 each	60635-02	Hand Dial Front
330	1 each	60640-01	Hand Dial Bushing
331	1 each	77027-02	Fiber Washer
332	1 each	74230-03	Hand Wheel
333	1 each	60520-01	Motor Plate Support Front

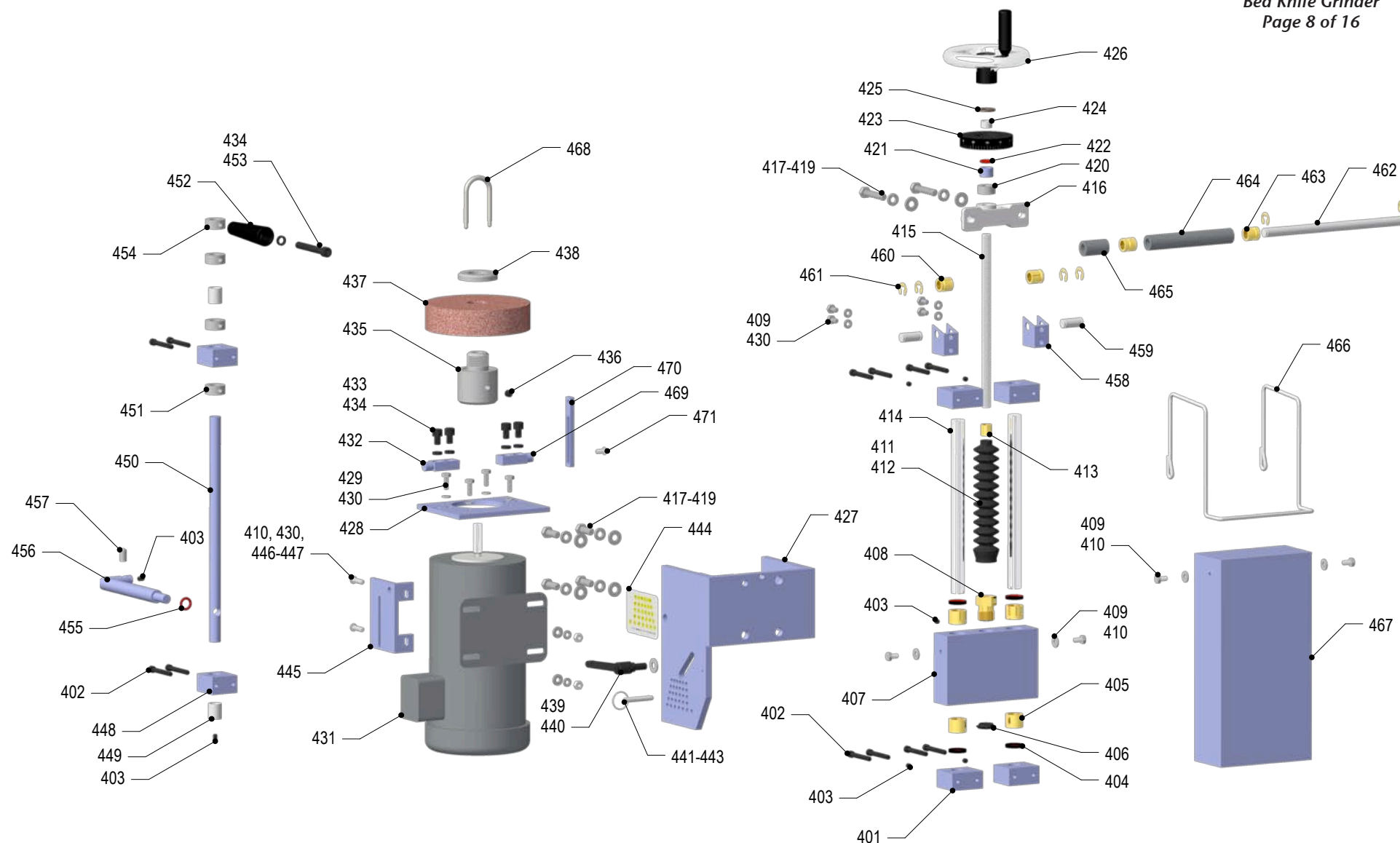
Item	Qty	Part No	Description
334	1 each	60535-01	Motor Plate
335	4 each	12304-06	1/4-20 x 3/4 Bolt
336	1 each	60600-01	Motor with Remote Capacitor
337	2 each	60540-01	Pivot Pin
338	4 each	12406-04	3/8-16 x 1/2 Set Socket Head Bolt
339	4 each	12106-05	3/8 Hi-Collar Lockwasher
340	1 each	77425-01	Hub Right Hand
341	1 each	12506-03	3/8-16 x 3/8 Set Screw
342	1 each	79028-01	Grinding Wheel
343	1 each	75010-01	Nut Right Hand
344	1 each	77048-05	Locking Screw
345	1 each	12206-02	3/8 Hard Washer
346	1 each	75104-26	Locking Pin
347	1 each	12403-04	#10-24 x 1/2 Socket Head Bolt
348	1 each	12103-01	#10 Lock Washer
349	1 each	70034-02	Angle Label Front
350	1 each	60530-02	Angle Plate Front
351	2 each	13204-06	1/4-20 x 3/4 Carriage Bolt
352	2 each	12204-01	1/4 Washer
353	3 each	60610-01	Dresser Block
354	3 each	72164-01	Bushing
355	1 each	60630-01	Front Facer Pivot
356	1 each	60660-01	Handle Spacer
357	1 each	72351-03	Handle
358	1 each	12306-54	3/8-16 x 5-1/2 Bolt
359	1 each	12506-02	3/8-16 x 1/4 Set Screw
360	1 each	15034-04	O-ring
361	1 each	60625-01	Dresser Holder
362	1 each	12803-12	Roll Pin
363	1 each	79180-05	Dresser
364	2 each	12504-03	1/4-20 x 3/8 Set Screw
365	1 each	74027-02	Collar

*Includes 4 16350-05 Bushings

Top Grinding Head

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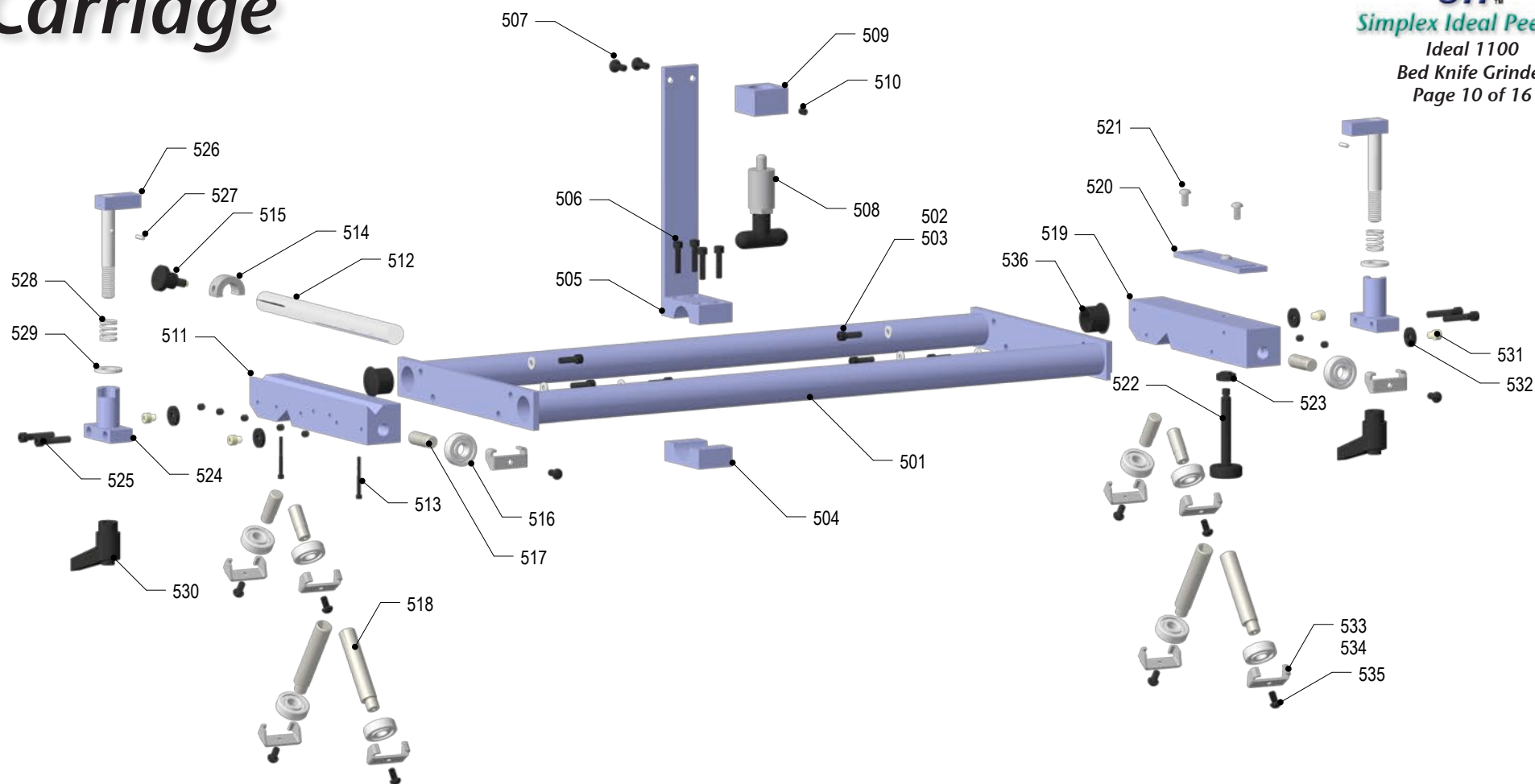
Item	Qty	Part No	Description
401	4 each	60505-01	Shaft Block
402	12 each	12404-20	1/4-20 x 2 Socket Head Bolt
403	7 each	12504-02	1/4-20 x 1/4 Set Screw
404	4 each	60590-01	Seal
405	4 each	16350-05	Bushing
406	1 each	73170-10	Plug
407	1 each	60515-01	Grinding Head Mount
408	1 each	60550-01	Brass Feed Nut
409	8 each	12304-04	1/4-20 x 1/2 Bolt
410	6 each	12204-01	1/4 Washer
411	1 each	77324-01	Boot
412	1 each	15023-03	Tie Wrap
413	1 each	16350-06	Bushing
414	2 each	60510-01	Chrome Bar
415	1 each	60545-01	Top Face Feed Screw
416	1 each	60555-01	Pillow Block Bearing
417	6 each	12306-10	3/8-16 x 1 Bolt
418	6 each	12106-01	3/8 Lock Washer
419	6 each	12206-01	3/8 Washer
420	1 each	74027-03	Collar
421	1 each	60665-01	Hand Dial Spacer
422	1 each	15034-03	O-ring
423	1 each	60635-01	Hand Dial Top
424	1 each	60640-01	Hand Dial Bushing
425	1 each	77027-02	Fiber Washer
426	1 each	74230-03	Hand Wheel
427	1 each	60525-01	Motor Plate Support Top
428	1 each	60535-01	Motor Plate
429	4 each	12304-06	1/4-20 x 3/4 Bolt
430	10 each	12104-01	1/4 Lock Washer
431	1 each	60600-01	Motor with Remote Capacitor
432	1 each	60540-01	Pivot Pin
433	4 each	12406-04	3/8-16 x 1/2 Set Socket Head Bolt
434	5 each	12106-05	3/8 Hi-Collar Lockwasher
435	1 each	77425-02	Hub Left Hand
436	1 each	12506-03	3/8-16 x 3/8 Set Screw

Item	Qty	Part No	Description
437	1 each	79028-01	Grinding Wheel
438	1 each	75010-03	Nut Left Hand
439	1 each	77048-05	Locking Screw
440	1 each	12206-02	3/8 Hard Washer
441	1 each	75104-26	Locking Pin
442	1 each	12403-04	#10-24 x 1/2 Socket Head Bolt
443	1 each	12103-01	#10 Lock Washer
444	1 each	70034-01	Angle Label Top
445	1 each	60530-01	Angle Plate Top
446	2 each	13204-06	1/4-20 x 3/4 Carriage Bolt
447	2 each	12004-01	1/4-20 Nut
448	2 each	60610-01	Dresser Block
449	2 each	72164-01	Bushing
450	1 each	60620-01	Top Facer Pivot
451	3 each	74027-02	Collar
452	1 each	72351-03	Handle
453	1 each	12406-30	3/8-16 x 3 Socket Head Bolt
454	1 each	60670-01	Handle Collar
455	1 each	15034-03	O-ring
456	1 each	60615-01	Dresser Holder
457	1 each	79180-03	Dresser
458	2 each	60560-01	Counterweigh Pulley Bracket
459	2 each	60565-01	Pulley Pin
460	2 each	60570-02	Pulley
461	6 each	15011-03	C-clip
462	1 each	60565-02	Pulley Pin
463	2 each	60570-01	Pulley
464	1 each	60575-02	Spacer
465	1 each	60575-01	Spacer
466	1 each	60585-01	Counterweight Cable
467	1 each	60580-01	Counterweight
468	1 each	75011-01	U-Wrench
469	1 each	60540-02	Pivot Pin
470	1 each	60595-01	Mist Bracket
471	1 each	14004-03	SS Button Head Bolt
	Option	79028-02	Grinding Wheel White

Carriage

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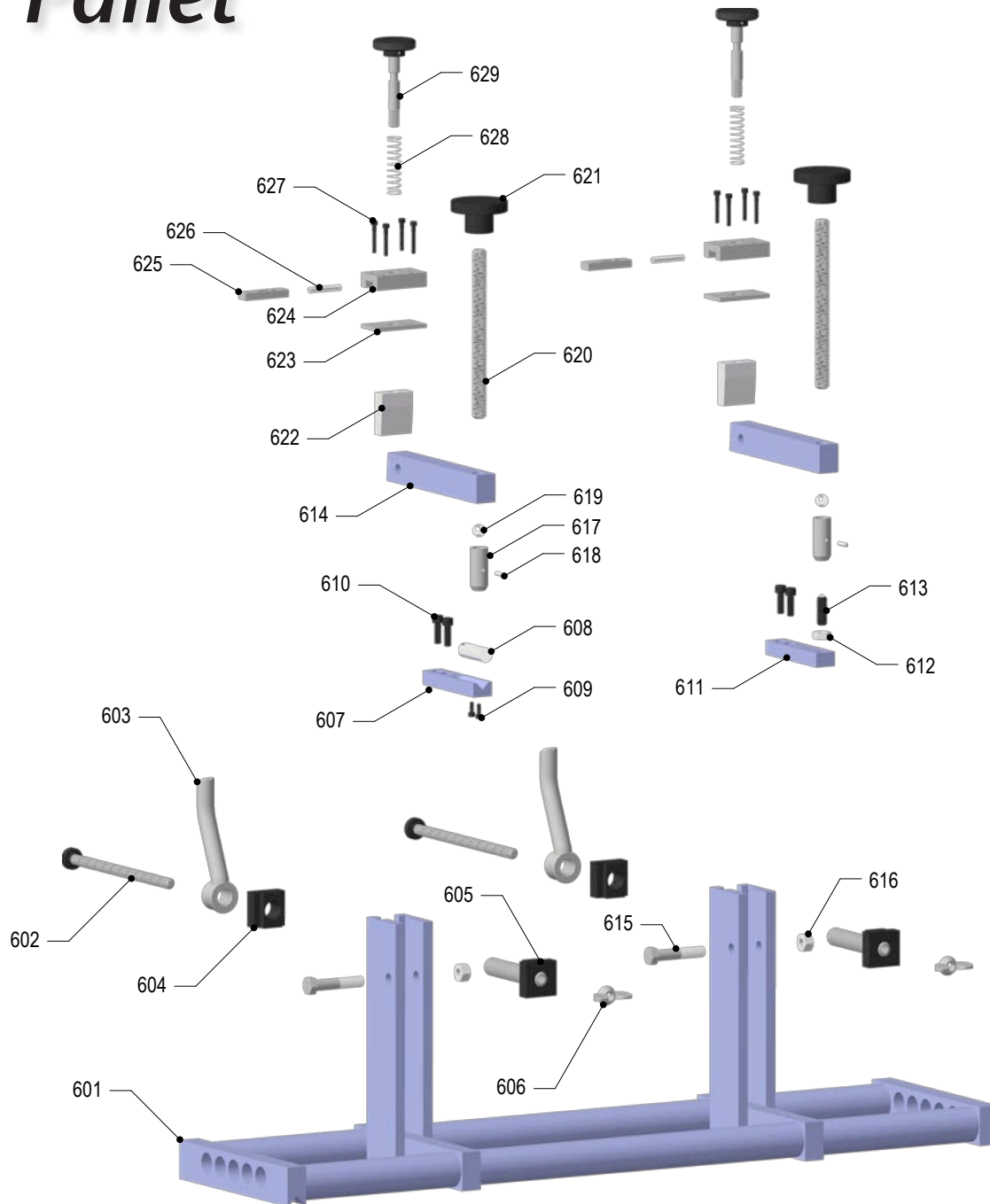


Item	Qty	Part No	Description
501	1 each	60105-01	Carriage
502	8 each	12404-06	1/4-20x3/4 Socket Head Screw
503	8 each	12104-01	1/4 Lock Washer
504	1 each	60280-01	Cylinder Latch Clamp
505	1 each	60275-01	Cylinder Latch Support
506	4 each	12404-10	1/4-20x1 Socket Head Screw
507	2 each	13004-06	1/4-20x3/4 Countersunk Screw
508	1 each	60265-01	Cylinder Latch
509	1 each	60270-01	Cylinder Latch Mount
510	1 each	12504-04	1/4-20 x 1/2 Set Screw
511	1 each	60110-01	Carriage End-Left
512	1 each	60120-01	Pallet Pivot Shaft

Item	Qty	Part No	Description
513	2 each	12401-14	#6-32x1-1/2 Socket Head Screw
514	1 each	60240-01	Pallet Stop
515	1 each	60250-01	Knurled Thumb Screw
516	10 each	16129-01	Bearing
517	6 each	73076-01	Axle
518	4 each	60115-01	Eccentric Axle
519	1 each	60110-02	Carriage End-Right
520	1 each	60200-01	Alignment Spacer
521	2 each	14004-04	1/4-20x1/2 Button Head Screw
522	1 each	60250-03	Adjusting Screw
523	1 each	60245-06	Knurled Nut
524	2 each	60220-01	Pallet Clamp Bracket

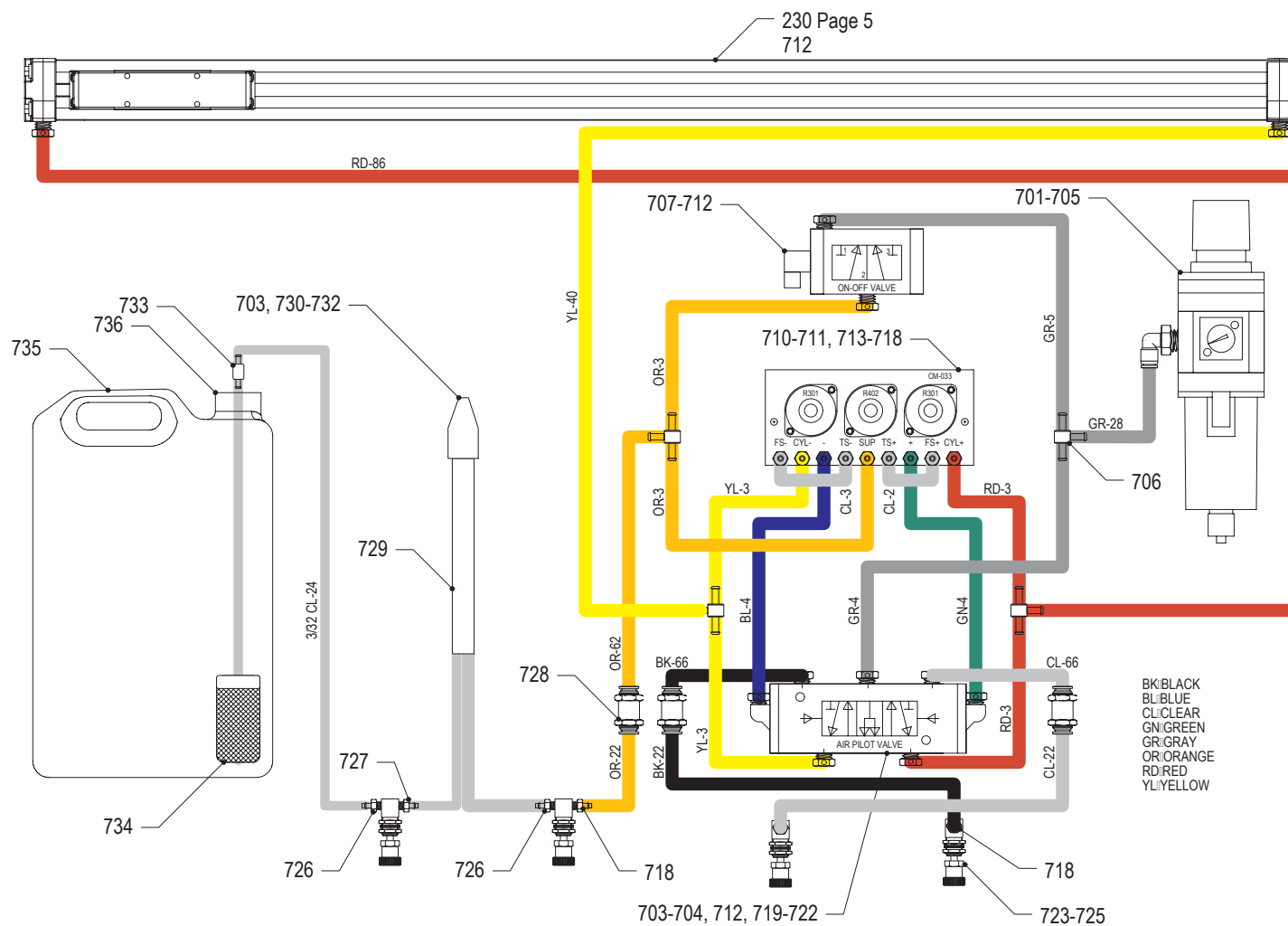
Item	Qty	Part No	Description
525	4 each	12404-12	1/4-20x1-1/4 Socket Head Screw
526	2 each	60225-01	Pallet Clamp
527	2 each	13802-04	Roll Pin
528	2 each	60195-02	Spring
529	2 each	12208-03	1/2 Washer
530	2 each	60230-01	Clamp Screw
531	4 each	60170-01	1/4-20 x 1/4 Nylon Bolt
532	4 each	60170-02	Rubber Washer
533	10 each	60125-01	Dust Wipe
534	AR each	11027-01	Wipe
535	10 each	12303-04	#10-24x1/2 Screw
536	2 each	73170-12	Hole Plug

Pallet



Item	Qty	Part No	Description
601	1 each	60130-01	Pallet Base
602	2 each	60250-02	Back Stop Screw
603	2 each	60215-01	Handle Nut
604	2 each	60205-02	T-Washer
605	2 each	60210-01	T-Bolt
606	2 each	13306-01	Wing Nut
607	1 each	60160-01	Shaft Pad
608	1 each	60235-01	Bed Knife Support Shaft
609	2 each	12401-04	#6-32x1/2 Socket Head Screw
610	4 each	12404-06	1/4-20x3/4 Socket Head Screw
611	1 each	60165-01	Ball Pad
612	1 each	12806-01	3/8-16 Hex Jam Nut
613	1 each	77443-01	Bed Knife Support
614	2 each	60150-01	Clamp Arm
615	2 each	12306-20	3/8-16x2 Hex Head Bolt
616	2 each	13606-01	3/8-16 Lock Nut
617	2 each	60260-01	Clamp Tip
618	2 each	13802-04	Roll Pin
619	2 each	60255-01	Ball Bearing
620	2 each	11017-58	Threaded Rod
621	2 each	60245-18	Knob
622	2 each	60155-01	Wedge
623	2 each	60190-01	Latch Cover
624	2 each	60180-01	Latch Slide
625	2 each	60175-01	Latch
626	2 each	77277-02	Spring
627	8 each	12401-10	#6-32x1 Socket Head Screw
628	2 each	60195-01	Spring
629	2 each	60185-01	Latch Screw

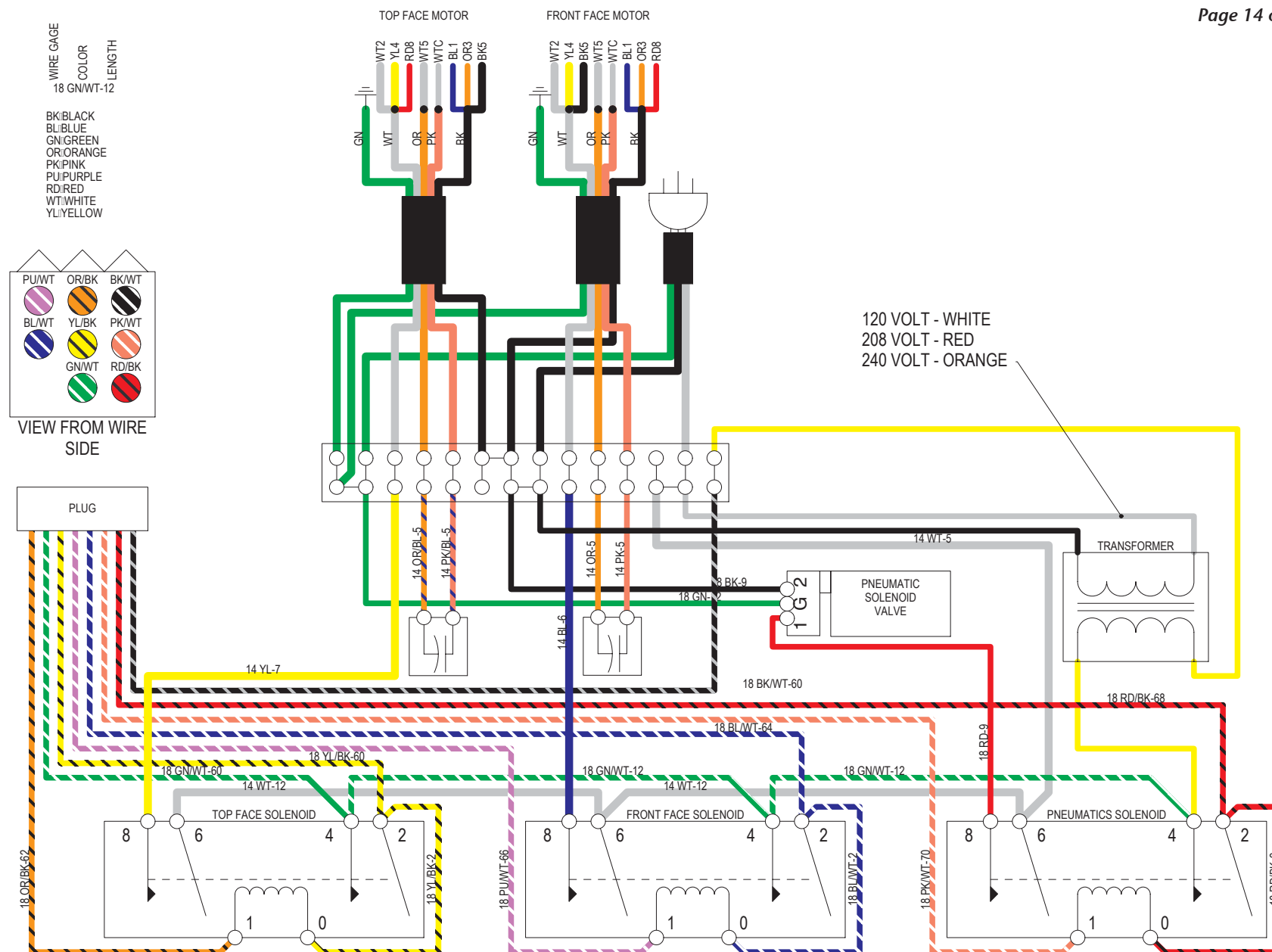
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Item	Qty	Part No	Description
701	1 each	15019-01	Filter Regulator
702	2 each	14004-04	1/4-20 x 1/2 Button Head Bolt
703	5 each	12104-01	1/4 Lock Washer
704	4 each	12204-01	1/4 Washer
705	1 each	15014-25	1/4 x 1/4 NPT Male Swivel Elbow
706	4 each	15014-61	Union Tee Hose Barb
707	1 each	15021-04	Electric On-Off Valve 120 Volt
	1 each	15021-05	Electric On-Off Valve 200 Volt
	1 each	15021-06	Electric On-Off Valve 240 Volt
708	2 each	12400-14	#5-40 x 1/2 Screw
709	2 each	12000-02	#5-40 Nut
710	4 each	12201-01	#6 Washer
711	4 each	12101-01	#6 Lock Washer
712	6 each	15014-76	1/8 x 1/8 NPT Elbow Hose Barb
713	1 each	15017-04	Acrylic Sub Base
714	2 each	15017-02	R301 Valve
715	1 each	15017-03	R402 Valve
716	2 each	12301-12	#6-32 x 1-1/4 Screw
717	2 each	12001-01	#6-32 Nut
718	12 each	15014-71	1/8 x #10-32 Hose Barb
719	1 each	15016-02	Air Pilot Valve
720	2 each	12304-16	1/4-20 x 1-3/4 Bolt
721	2 each	12004-01	1/4-20 Nut
722	5 each	15014-77	1/8 x 1/4 NPT Elbow Hose Barb
723	4 each	15020-02	Needle Valve

Item	Qty	Part No	Description
724	4 each	77257-02	#10-32 Knurled Nut
725	4 each	12003-02	#10-32 Nut
726	2 each	15014-90	3/32 x #10-32 Hose Barb
727	1 each	15032-02	1/16 x #10-32 Hose Barb
728	3 each	15014-91	1/4 Bulkhead Fitting
729	1 each	77020-12	Armored Mist Line
730	1 each	77020-08	45° Spray Nozzle
731	1 each	15023-10	1/4 Loop
732	1 each	14004-03	1/4-20 x 3/8 SS Button Head Bolt
733	1 each	77020-13	Check Valve
734	1 each	77020-06	Screen Assembly
735	1 each	60645-01	Coolant Jug
736	1 each	60645-02	Coolant Jug Lid
737	5 each	15023-03	Wire Tie
738	3 each	71351-07	Grommet
739	90 inches	15022-11	Polyurethane Tubing Orange
740	4 inches	15022-12	Polyurethane Tubing Blue
741	46 inches	15022-13	Polyurethane Tubing Yellow
742	93 inches	15022-14	Polyurethane Tubing Clear
743	4 inches	15022-15	Polyurethane Tubing Green
744	37 inches	15022-16	Polyurethane Tubing Gray
745	88 inches	15022-17	Polyurethane Tubing Black
746	92 inches	15022-18	Polyurethane Tubing Red
747	24 inches	15022-30	3/32 Clear Tubing
	Option	77020-05	1 Gallon Coolant

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Item	Qty	Part No	Description
801	1 each	75093-29	Plug
802	8 each	75093-33	Pin
803	3 each	75104-22	Relay
804	14 each	12401-04	#6-32 x 1/2 Screw
805	14 each	12201-01	#6 Washer
806	14 each	12101-01	#6 Lock Washer
807	14 each	12001-01	#6-32 Nut
808	1 each	75107-01	Transformer
809	1 each	75093-39	Terminal Block
810	5 each	75093-28	Jumper
811	1 each	75093-17	Power Cord
812	128 inches	75093-26	Multiconductor Cord
813	8 each	75093-08	Wire Nut
814	27 each	75093-42	Fork Terminal
815	14 each	75093-40	Straight Connector
816	8 each	75093-43	Straight Connector
817	2 each	75093-46	Capicator Strap
818	1 each	75093-13	Strain Relief
819	6 each	71351-06	Grommet
820	2 each	75093-25	Strain Relief

Item	Qty	Part No	Description
821	AR each	15023-03	Large Wire Tie
822	AR each	15023-06	Small Wire Tie
823	4 each	15023-11	Tie Mount
824	9 inches	75092-12	18 Gauge Wire Black
825	9 inches	75092-13	18 Gauge Wire Red
826	12 inches	75092-16	18 Gauge Wire Green
827	10 inches	75092-28	14 Gauge Wire Orange
828	10 inches	75092-30	14 Gauge Wire Pink
829	29 inches	75092-21	14 Gauge Wire White
830	7 inches	75092-24	14 Gauge Wire Yellow
831	7 inches	75092-25	14 Gauge Wire Blue
832	60 inches	75092-32	18 Gauge Wire Black/White
833	63 inches	75092-34	18 Gauge Wire Yellow/ Black
834	63 inches	75092-33	18 Gauge Wire Red/Black
835	63 inches	75092-35	18 Gauge Wire Blue/White
836	100 inches	75092-36	18 Gauge Wire Green/White
837	60 inches	75092-38	18 Gauge Wire Orange/Black
838	60 inches	75092-39	18 Gauge Wire Purple/White
839	60 inches	75092-40	18 Gauge Wire Pink/White

Wiring-Switch Box

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Item	Qty	Part No	Description
901	1 each	75093-30	Receptacle
902	8 each	75093-34	Socket
903	4 each	75104-17	Red Push Button
904	3 each	75104-18	Green Push Button
905	1 each	75093-37	Limit Switch
906	2 each	75093-38	Limit Switch
907	4 each	13000-14	#5-40 x 1-1/2 Flathead Screw
908	4 each	12000-02	#5-40 Nut
909	4 each	12101-01	Lock Washer
910	4 each	12201-01	Washer
911	2 each	75093-42	Fork Terminal
912	2 each	75093-40	Straight Insulated Connector
913	2 each	75093-41	Flag Insulated Connector
914	1 each	75093-13	Strain Relief
915	1 each	71351-03	Grommet
916	3 each	15023-03	Large Wire Tie
917	8 each	15023-06	Small Wire Tie
918	110 inches	75092-32	18 Gauge Wire Black/White
919	37.5 inches	75092-33	18 Gauge Wire Red/Black
920	41.5 inches	75092-34	18 Gauge Wire Yellow/ Black
921	39.5 inches	75092-35	18 Gauge Wire Blue/White
922	40 inches	75092-36	18 Gauge Wire Green/White
923	38 inches	75092-38	18 Gauge Wire Orange/Black
924	36 inches	75092-39	18 Gauge Wire Purple/White
925	34 inches	75092-40	18 Gauge Wire Pink/White

