Combi 60

Spare Parts Manual

Trans Tech: Complete Pad Printing Solutions

TRANS TECH AMERICA Inc. • *An ITW Decorating Company* • 475 North Gary Avenue • Carol Stream, IL 60188-4900
Phone: 630.752.4000 • **Fax:** 630.752.4489 • **Web Site:** www.itwtranstech.com

For best results when printing this file, set printer resolution to 300 dpi.

While every effort has been made to ensure the accuracy of this manual, Trans Tech cannot be held responsible for any errors or omissions. We reserve the right to make changes to technical specifications without prior notice.

Trans Tech America, Inc. *An Illinois Tool Works Company* • 475 North Gary Avenue • Carol Stream, IL 60188-4900
Phone (630) 752-4000

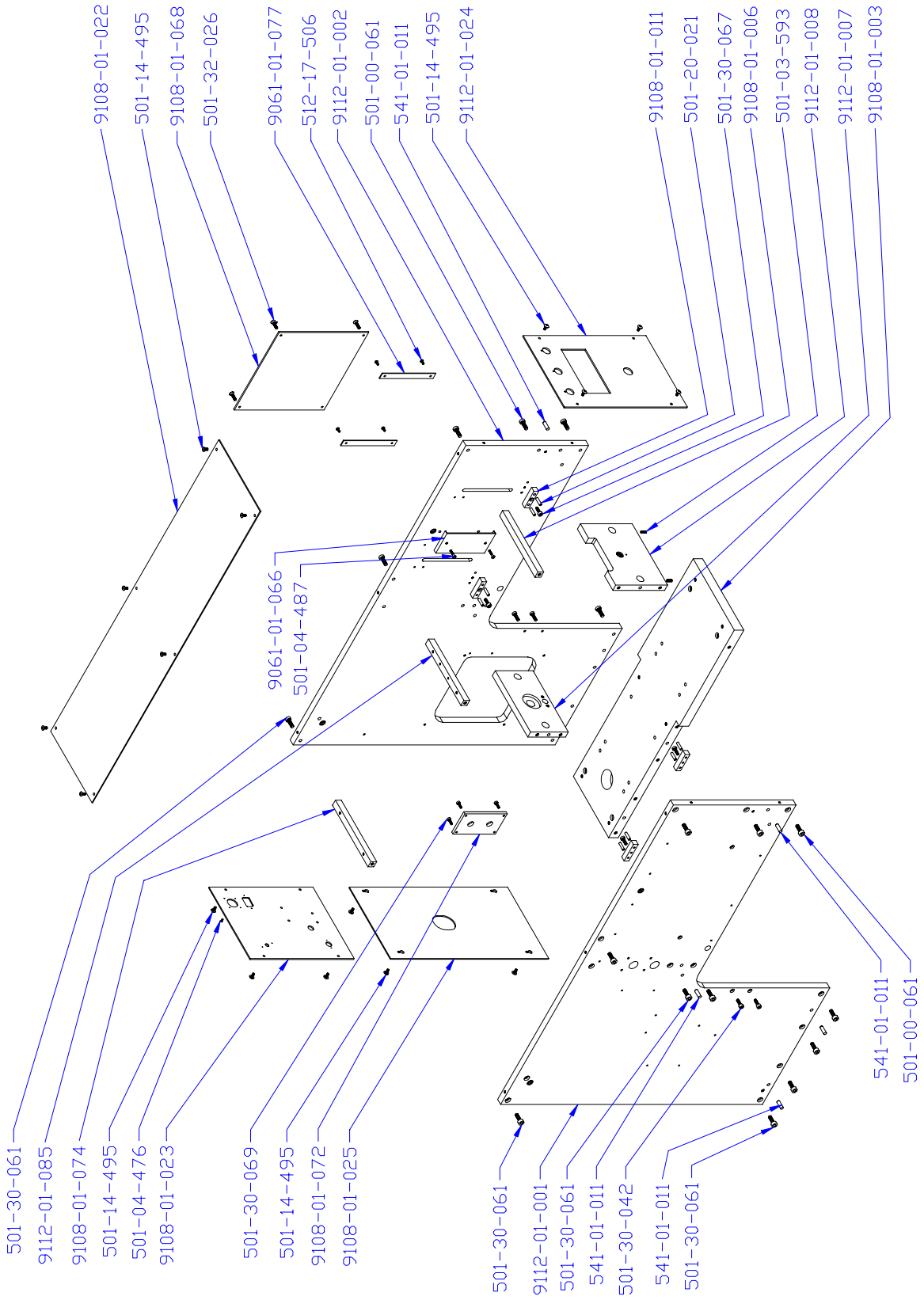
Combi 60
Spare Parts Manual

Contents

Frame 4
Pad Ram 6
Cliche Slide 8
Cup Drive 10
Guards 12
Pneumatics 14
Electrics 16
Pad Cleaner 18
Table Top 20
Base 22
Pad Shuttle 24
Recommended Spare Parts 26

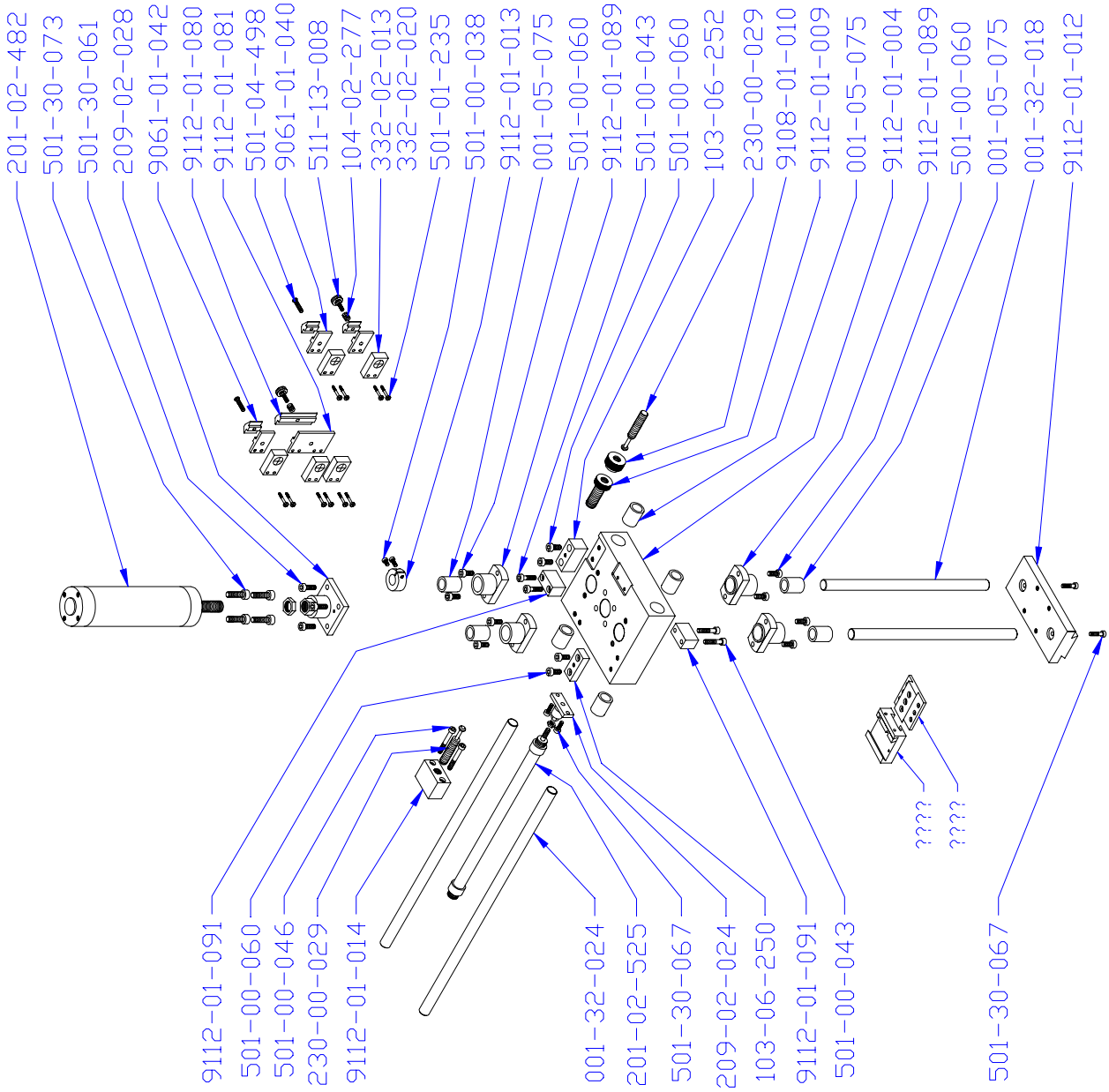
Frame

501-00-061	Socket head cap screw
501-03-593	Set screw
501-04-476	Button head cap screw
501-04-487	Button head cap screw
501-14-495	Button head cap screw
501-20-021	Dowel pin
501-30-042	Socket head cap screw
501-30-061	Socket head cap screw
501-30-067	Socket head cap screw
501-30-069	Socket head cap screw
501-32-026	Flat head cap screw
512-17-506	Drive screw
541-01-011	Dowel pin
9061-01-066	Cable shield
9061-01-077	Scale
9108-01-003	Base plate
9108-01-006	Frame spacer
9108-01-011	Support block
9108-01-022	Top panel
9108-01-023	Back panel, upper
9108-01-025	Back panel, lower
9108-01-068	Side cover
9108-01-072	Valve mounting plate
9108-01-074	Frame spacer
9112-01-001	Left side plate
9112-01-002	Right side plate
9112-01-007	Back slide plate
9112-01-008	Front slide plate
9112-01-024	Front panel
9112-01-085	Frame spacer


9108-01-022
501-14-495
9108-01-068
501-32-026
9061-01-077
512-17-506
9112-01-002
501-00-061
541-01-011
501-14-495
9112-01-024
9108-01-011
501-20-021
501-30-067
9108-01-006
501-03-593
9112-01-008
9112-01-007
9108-01-003
9061-01-066
501-04-487
501-30-061
9112-01-085
9108-01-074
501-14-495
501-04-476
9108-01-023
501-30-069
501-14-495
9108-01-072
9108-01-025
501-30-061
9112-01-001
501-30-061
541-01-011
501-30-042
541-01-011
501-30-061
541-01-011
501-00-061

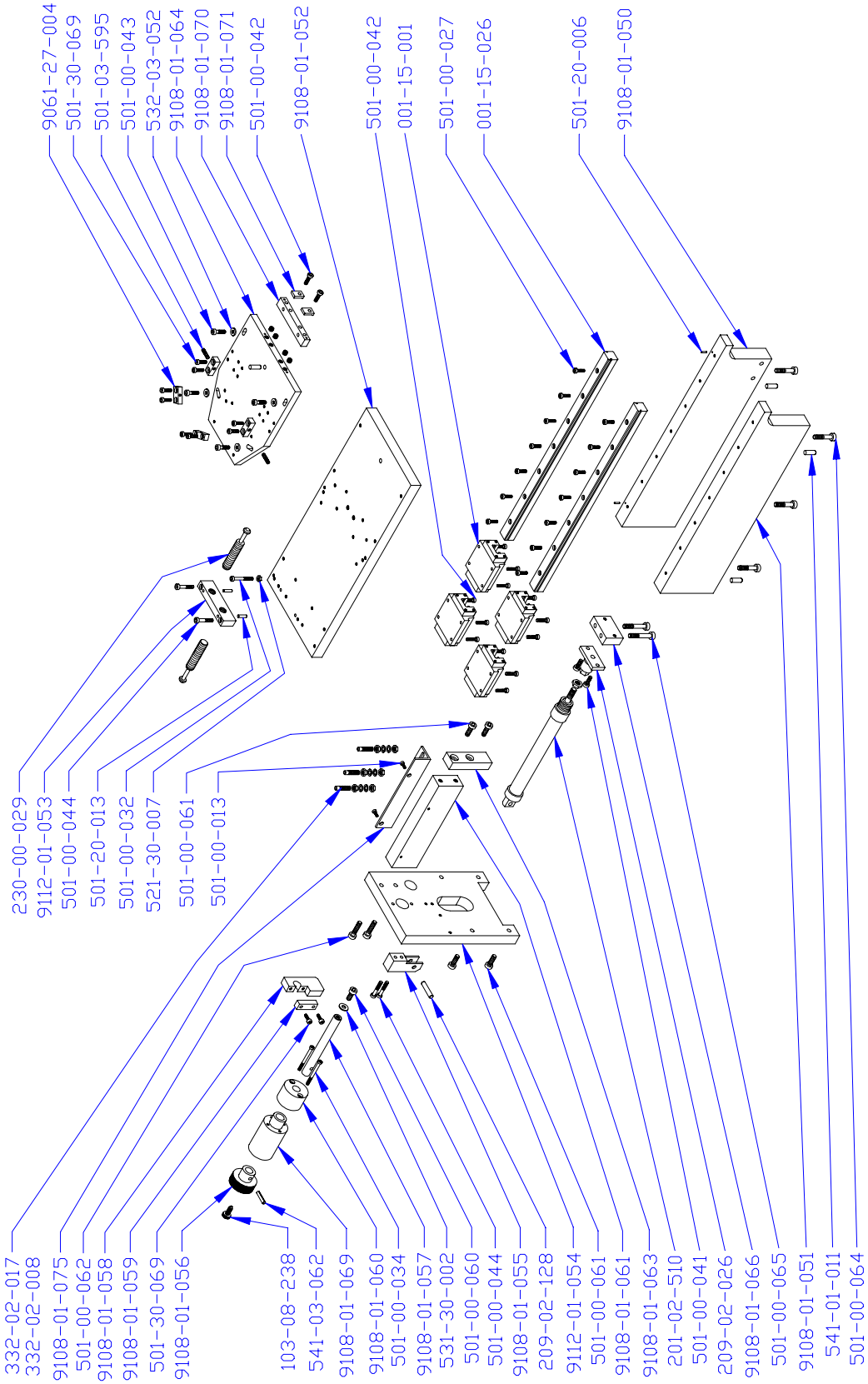
Pad Ram

001-05-075	Linear bearing
001-32-018	Shaft, pad ram
001-32-024	Shaft, pad slide
103-06-250	Support block
103-06-252	Support block
104-02-277	Compression spring
201-02-482	Cylinder, pad ram
201-02-525	Cylinder, pad slide
209-02-024	Floating joint, pad slide
209-02-028	Floating joint, pad ram
230-00-029	Shock absorber
332-02-013	Proximity switch
332-02-020	Cable, proximity switch
501-00-038	Socket head cap screw
501-00-043	Socket head cap screw
501-00-046	Socket head cap screw
501-00-060	Socket head cap screw
501-01-235	Low head socket head cap screw
501-04-498	Button head cap screw
501-30-061	Socket head cap screw
501-30-067	Socket head cap screw
501-30-073	Socket head cap screw
511-13-008	Thumb screw
9061-01-040	Mounting plate
9061-01-042	Clamp plate
9108-01-010	Lock nut
9112-01-004	Bearing block
9112-01-009	Sleeve
9112-01-012	Pad slide bar
9112-01-013	Flag collar
9112-01-014	Shock holder
9112-01-080	Clamp plate
9112-01-081	Mounting plate
9112-01-089	Bearing holder
9112-01-091	Stop block


201-02-482
501-30-073
501-30-061
209-02-028
9061-01-042
9112-01-080
9112-01-081
501-04-498
9061-01-040
511-13-008
104-02-277
332-02-013
332-02-020
501-01-235
501-00-038
9112-01-013
001-05-075
501-00-060
9112-01-089
501-00-043
501-00-060
103-06-252
230-00-029
9108-01-010
9112-01-009
001-05-075
9112-01-004
9112-01-089
501-00-060
001-05-075
001-32-018
9112-01-012
9112-01-091
501-00-060
501-00-046
230-00-029
9112-01-014
001-32-024
201-02-525
501-30-067
209-02-024
103-06-250
9112-01-091
501-00-043
501-30-067
????
????

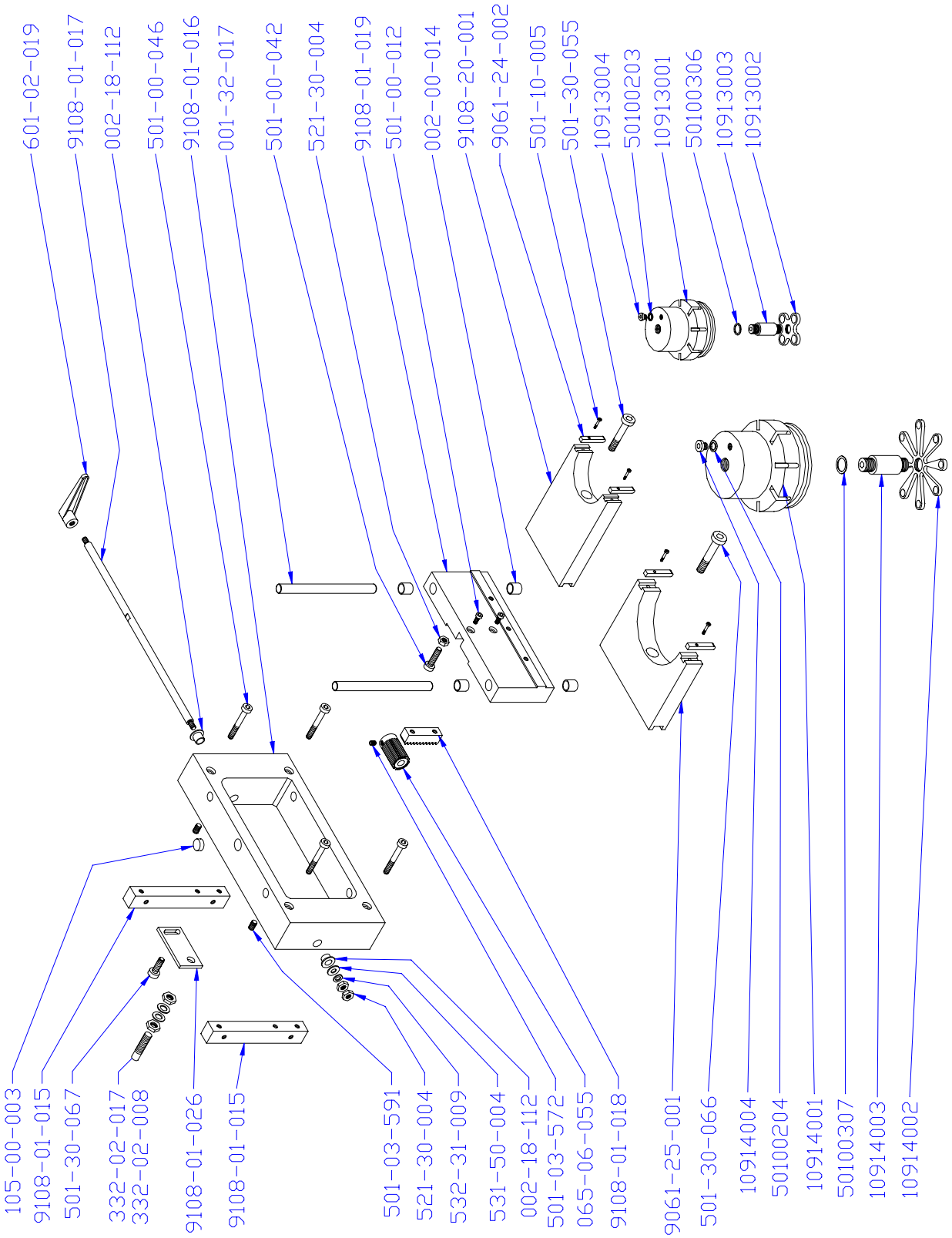
Cliche Slide

001-15-001	Slide unit
001-15-026	Slide rail
103-08-238	Plunger
201-02-510	Cylinder, cliché slide
209-02-026	Floating joint, cliché slide
209-02-128	Clevis pin
230-00-029	Shock absorber
332-02-008	Cable, proximity switch
332-02-017	Proximity switch
501-00-013	Socket head cap screw
501-00-027	Socket head cap screw
501-00-032	Socket head cap screw
501-00-034	Socket head cap screw
501-00-041	Socket head cap screw
501-00-042	Socket head cap screw
501-00-043	Socket head cap screw
501-00-044	Socket head cap screw
501-00-060	Socket head cap screw
501-00-061	Socket head cap screw
501-00-062	Socket head cap screw
501-00-064	Socket head cap screw
501-00-065	Socket head cap screw
501-03-595	Set screw
501-20-006	Dowel pin
501-20-013	Dowel pin
501-30-069	Socket head cap screw
521-30-007	Hex nut
531-30-002	Flat washer
532-03-052	Hardened washer
541-01-011	Dowel pin
541-03-062	Roll pin
9061-27-004	Stop block
9108-01-050	Riser block, RH
9108-01-051	Riser block, LH
9108-01-052	Slide sub-plate
9108-01-055	Cylinder bracket
9108-01-056	Knurled knob
9108-01-057	Shaft
9108-01-058	Stop plate
9108-01-059	Clamp plate
9108-01-060	Spacer
9108-01-061	Stop extension
9108-01-063	Stop plate
9108-01-064	Cliché holder
9108-01-066	Joint block
9108-01-069	Hub extension
9108-01-070	Clamp spacer
9108-01-071	Clamp
9108-01-075	Bracket, proximity switch
9112-01-053	Shock holder
9112-01-054	Rear plate


9061-27-004
501-30-069
501-03-595
501-00-043
532-03-052
9108-01-064
9108-01-070
9108-01-071
501-00-042
9108-01-052
501-00-042
001-15-001
501-00-027
001-15-026
501-20-006
9108-01-050
230-00-029
9112-01-053
501-00-044
501-20-013
501-00-032
521-30-007
501-00-061
501-00-013
332-02-017
332-02-008
9108-01-075
501-00-062
9108-01-058
9108-01-059
501-30-069
9108-01-056
103-08-238
541-03-062
9108-01-069
9108-01-060
501-00-034
9108-01-057
531-30-002
501-00-060
501-00-044
9108-01-055
209-02-128
9112-01-054
501-00-061
9108-01-061
9108-01-063
201-02-510
501-00-041
209-02-026
9108-01-066
501-00-065
9108-01-051
541-01-011
501-00-064

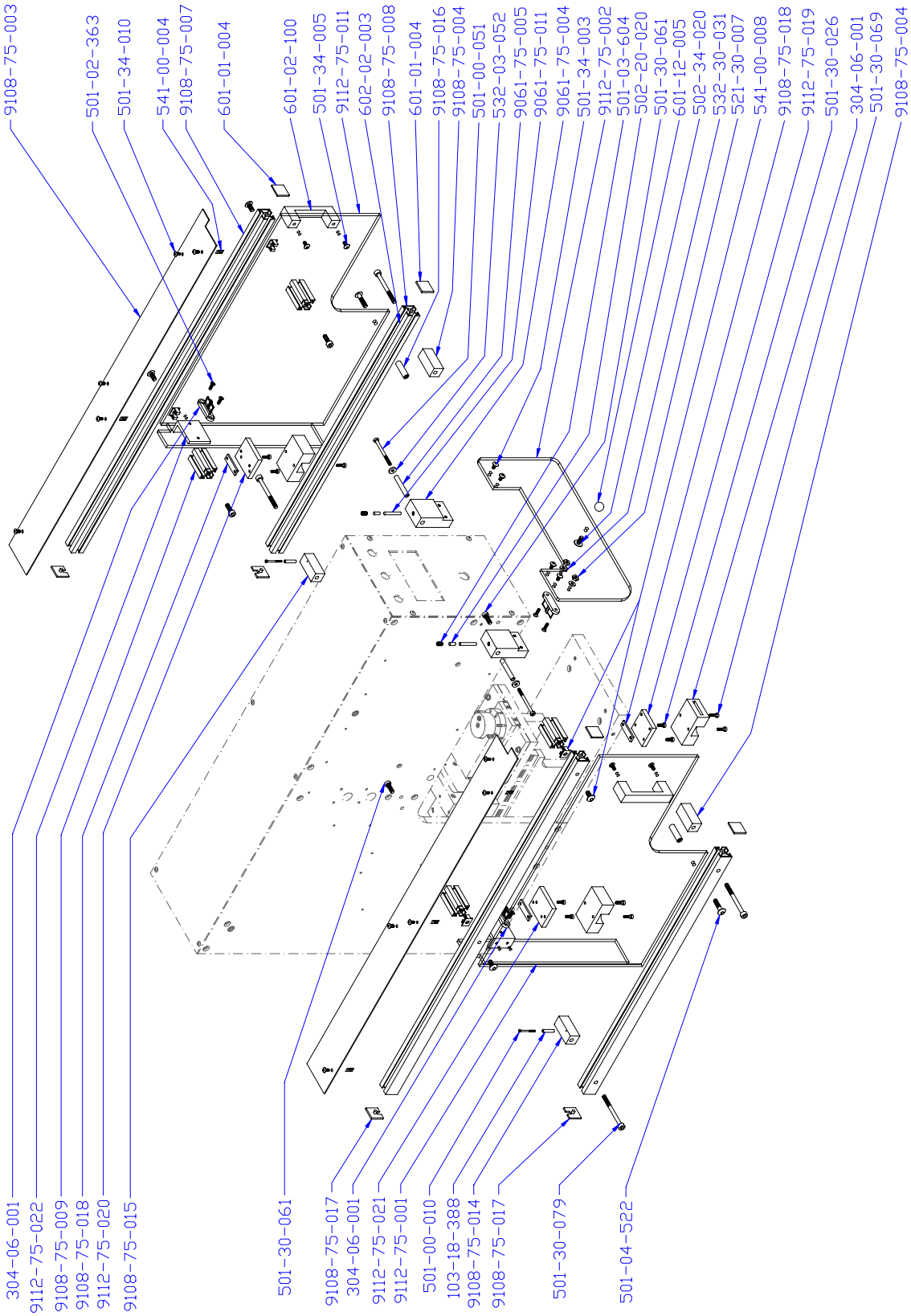
Cup Drive

10913000	60mm ink cup, complete
10913001	60mm cup and ring
10913002	60mm cup magnet assembly
10913003	60mm cup magnet shaft
10913004	60mm cup vent plug
10914000	90mm ink cup, complete
10914001	90mm cup and ring
10914002	90mm cup magnet assembly
10914003	90mm cup magnet shaft
10914004	90mm cup vent plug
50100203	60mm cup seal ring
50100204	90mm cup seal ring
50100306	60mm cup shim ring
50100307	90mm cup shim ring
001-32-017	Shaft
002-00-014	Bushing
002-18-112	Flanged bushing
065-06-055	Spur gear
105-00-003	Magnet
332-02-008	Cable, proximity switch
332-02-017	Proximity switch
501-00-012	Socket head cap screw
501-00-042	Socket head cap screw
501-00-046	Socket head cap screw
501-03-591	Set screw
501-10-005	Socket head cap screw
501-30-055	Socket head cap screw
501-30-066	Socket head cap screw
501-30-067	Socket head cap screw
501-30-572	Set screw
521-30-004	Hex nut
531-50-004	Brass washer
532-31-009	Lock washer
601-02-019	Handle
9061-24-002	Drive pin
9061-25-001	Cup holder, 90mm
9108-01-015	Mounting block
9108-01-016	Frame
9108-01-017	Shaft
9108-01-018	Rack gear
9108-01-019	Slide
9108-01-026	Mounting plate, switch
9108-20-001	Cup holder, 60mm


601-02-019
9108-01-017
002-18-112
501-00-046
9108-01-016
001-32-017
501-00-042
521-30-004
9108-01-019
501-00-012
002-00-014
9108-20-001
9061-24-002
501-10-005
501-30-055
10913004
50100203
10913001
50100306
10913003
10913002
105-00-003
9108-01-015
501-30-067
332-02-017
332-02-008
9108-01-026
9108-01-015
501-03-591
521-30-004
532-31-009
531-50-004
002-18-112
501-03-572
065-06-055
9108-01-018
9061-25-001
501-30-066
10914004
50100204
10914001
50100307
10914003
10914002

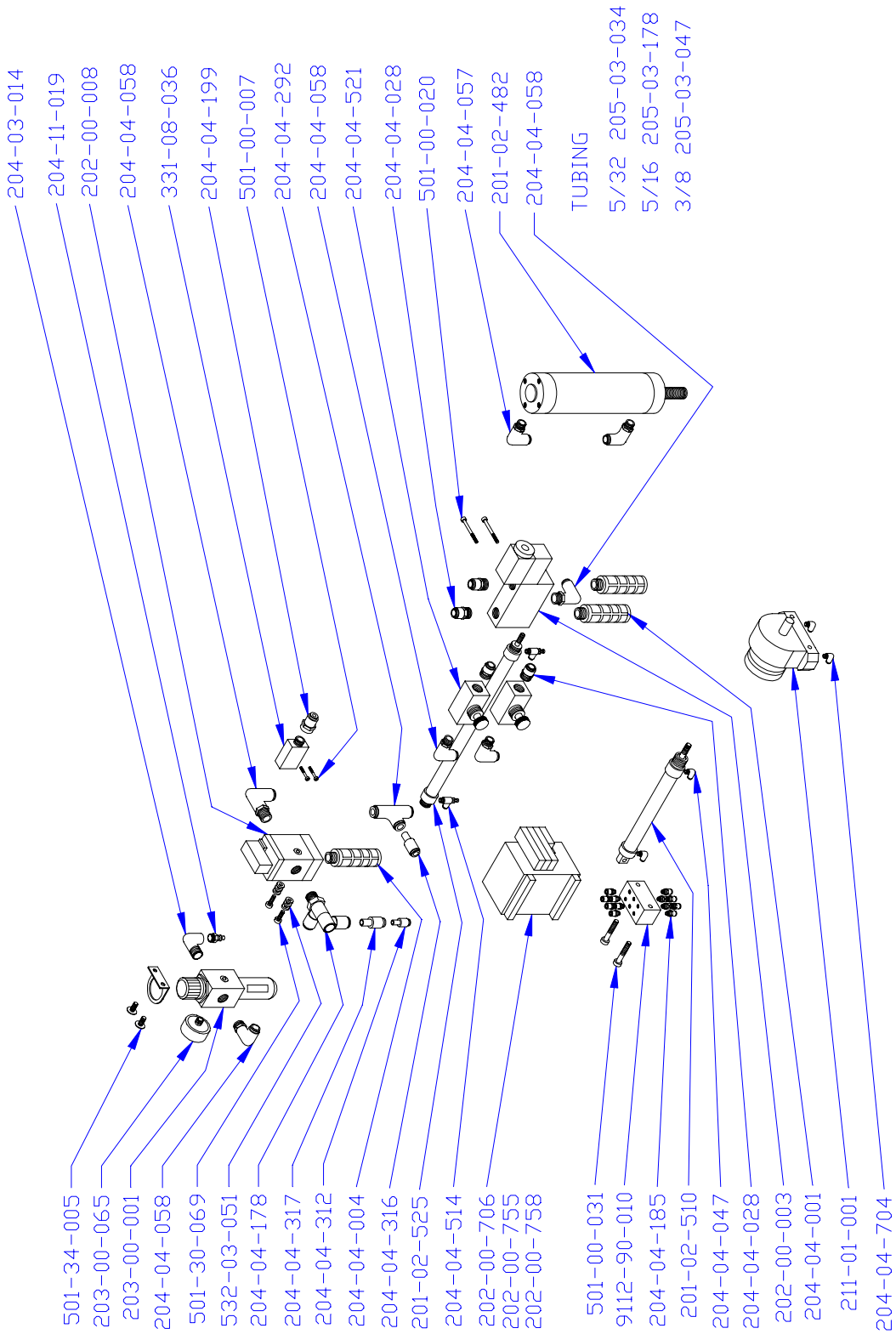
Guards

103-18-388	Spacer
304-06-001	Safety switch
501-00-010	Socket head cap screw
501-00-051	Socket head cap screw
501-02-363	Flat head cap screw
501-03-604	Set screw
501-04-522	Button head cap screw
501-30-026	Socket head cap screw
501-30-061	Socket head cap screw
501-30-069	Socket head cap screw
501-30-079	Socket head cap screw
501-34-003	Button head cap screw
501-34-005	Button head cap screw
501-34-010	Button head cap screw
502-20-020	Dowel pin
502-34-020	Button head cap screw
521-30-007	Hex nut
532-03-052	Hardened washer
532-30-031	Flat washer
541-00-004	T-nut
541-00-008	Fastening set
601-01-004	End cap
601-02-100	Handle
601-12-005	Knob
602-02-003	Cover strip
9061-75-004	Pivot block
9061-75-005	Sleeve
9061-75-011	Tension pin
9108-75-003	Shelf
9108-75-004	Spacer
9108-75-007	Upper rail
9108-75-008	Lower rail
9108-75-009	Spacer rail
9108-75-014	Spacer
9108-75-015	Spacer
9108-75-016	Door stop
9108-75-017	End cap
9108-75-018	Switch mount
9112-75-001	Side guard, LH
9112-75-002	Front guard
9112-75-011	Side guard, RH
9112-75-019	Mounting bracket, switch
9112-75-020	Mounting bracket, switch
9112-75-021	Mounting bracket, switch
9112-75-022	Mounting bracket, switch


9108-75-003
501-02-363
501-34-010
541-00-004
9108-75-007
601-01-004
601-02-100
501-34-005
9112-75-011
602-02-003
9108-75-008
601-01-004
9108-75-016
9108-75-004
501-00-051
532-03-052
9061-75-005
9061-75-011
9061-75-004
501-34-003
9112-75-002
501-03-604
502-20-020
501-30-061
601-12-005
502-34-020
532-30-031
521-30-007
541-00-008
9108-75-018
9112-75-019
501-30-026
304-06-001
501-30-069
9108-75-004
304-06-001
9112-75-022
9108-75-009
9108-75-018
9112-75-020
9108-75-015
501-30-061
9108-75-017
304-06-001
9112-75-021
9112-75-001
501-00-010
103-18-388
9108-75-014
9108-75-017
501-30-079
501-04-522

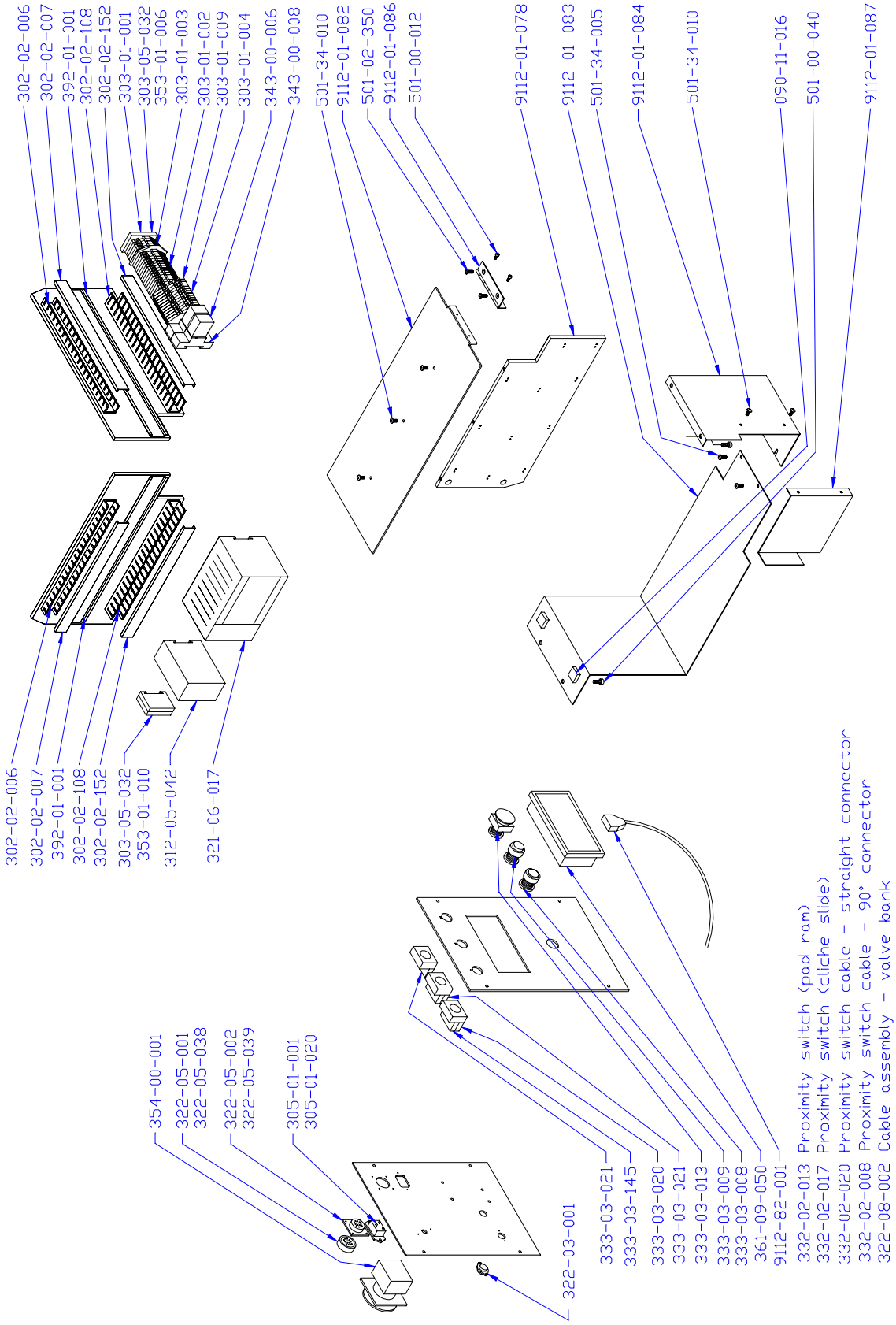
Pneumatics

201-02-482	Cylinder, pad ram
201-02-510	Cylinder, cliché slide
201-02-525	Cylinder, pad slide
202-00-003	Directional control valve
202-00-008	Soft start valve
202-00-706	Manifold and valve assembly
202-00-755	Directional valve, single position (VQ1101N-5)
202-00-758	Directional valve, three position (VQ1401N-5)
203-00-001	Regulator
203-00-065	Pressure gauge
204-03-014	Elbow
204-04-001	Muffler
204-04-004	Muffler
204-04-028	Connector
204-04-047	Elbow
204-04-057	Elbow
204-04-058	Elbow
204-04-178	Double elbow
204-04-185	Connector
204-04-199	Connector
204-04-292	Tee union
204-04-312	Reducer
204-04-316	Reducer
204-04-317	Reducer
204-04-514	Flow control elbow
204-04-521	Flow control
204-04-704	Elbow
204-11-019	Connector
205-03-034	Tubing, 5/32
205-03-047	Tubing, 3/8
205-03-178	Tubing, 5/16
211-01-001	Rotary actuator
331-08-036	Pressure switch
501-00-007	Socket head cap screw
501-00-020	Socket head cap screw
501-00-031	Socket head cap screw
501-30-069	Socket head cap screw
501-34-005	Button head cap screw
532-03-051	Hardened washer
9112-90-010	Manifold


204-03-014
204-11-019
202-00-008
204-04-058
331-08-036
204-04-199
501-00-007
204-04-292
204-04-058
204-04-521
204-04-028
501-00-020
204-04-057
201-02-482
204-04-058
TUBING
5/32 205-03-034
5/16 205-03-178
3/8 205-03-047
501-34-005
203-00-065
203-00-001
204-04-058
501-30-069
532-03-051
204-04-178
204-04-317
204-04-312
204-04-004
204-04-316
201-02-525
204-04-514
202-00-706
202-00-755
202-00-758
501-00-031
9112-90-010
204-04-185
201-02-510
204-04-047
204-04-028
202-00-003
204-04-001
211-01-001
204-04-704

Electrics

31100110	Foot switch, complete
090-11-016	Bumper
302-02-006	Wire duct
302-02-007	Wire duct cover
302-02-108	Wire duct
302-02-152	Wire duct cover
303-01-001	Terminal block, ground
303-01-002	Terminal block
303-01-003	Terminal seperator
303-01-004	Terminal block, sensor
303-01-009	Terminal block, sensor supply
303-05-032	Fuse holder
305-01-001	Receptacle, power cord
305-01-020	Power cord
312-05-042	Power supply
321-06-017	PLC
322-03-001	Receptacle, foot switch
322-05-001	Connector, plug
322-05-002	Connector, receptacle
322-05-038	Pin for plug
322-05-039	Socket for receptacle
322-08-002	Cable assembly, valve bank
332-02-008	Cable, proximity switch 90
332-02-013	Proximity switch
332-02-017	Proximity switch
332-02-020	Cable, proximity switch
333-03-008	Pushbutton, green
333-03-009	Pushbutton, red
333-03-013	Pushbutton, mushroom head
333-03-020	Contact block, NC
333-03-021	Contact block, NO
333-03-145	Lamp, 24VDC, 2W
343-00-006	Relay
343-00-008	Socket, relay
353-01-006	Fuse, 3A
353-01-010	Fuse, 5A
354-00-001	Disconnect switch
361-09-050	Touch screen
392-01-001	Din rail
501-00-012	Socket head cap screw
501-00-040	Socket head cap screw
501-02-350	Flat head cap screw
501-34-005	Button head cap screw
501-34-010	Button head cap screw
9112-01-078	Panel
9112-01-082	Panel mounting plate
9112-01-083	Enclosure, bottom
9112-01-084	Enclosure, front
9112-01-086	Hinge
9112-01-087	Enclosure, side
9112-82-001	Interface cable, touch screen


302-02-006
302-02-007
392-01-001
302-02-108
302-02-152
303-01-001
303-05-032
353-01-006
303-01-003
303-01-002
303-01-009
303-01-004
343-00-006
343-00-008
501-34-010
9112-01-082
501-02-350
9112-01-086
501-00-012
9112-01-078
9112-01-083
501-34-005
9112-01-084
501-34-010
090-11-016
501-00-040
9112-01-087
302-02-006
302-02-007
392-01-001
302-02-108
302-02-152
303-05-032
353-01-010
312-05-042
321-06-017
354-00-001
322-05-001
322-05-038
322-05-002
322-05-039
305-01-001
305-01-020
322-03-001
333-03-021
333-03-145
333-03-020
333-03-021
333-03-013
333-03-009
333-03-008
361-09-050
9112-82-001
332-02-013 Proximity switch (pad ram)
332-02-017 Proximity switch (cliche slide)
332-02-020 Proximity switch cable - straight connector
332-02-008 Proximity switch cable - 90° connector
322-08-002 Cable assembly - valve bank

Pad Cleaner

001-32-354	Bearing with holder
065-06-026	Spur gear
211-01-001	Rotary actuator
211-01-128	Mounting bracket
211-01-205	One way clutch
501-00-044	Socket head cap screw
501-00-063	Socket head cap screw
501-00-064	Socket head cap screw
501-04-493	Button head cap screw
501-07-025	Set screw
501-30-014	Socket head cap screw
501-30-017	Socket head cap screw
501-30-029	Socket head cap screw
501-30-044	Socket head cap screw
501-30-061	Socket head cap screw
501-34-012	Button head cap screw
531-60-120	Spacer washer
532-03-051	Hardened washer
532-30-031	Flat washer
860-01-002	Tape roll
860-01-020	Tape drum
860-01-021	Hex nut
9082-01-005	Tape drum
9108-02-001	Top plate
9108-02-002	Roller shaft
9108-02-003	Roller
9108-02-004	Extension bracket
9108-02-005	Side plate
9108-02-006	Shaft
9108-02-007	Mounting block
9108-02-008	Side mounting plate
9108-02-010	Square key

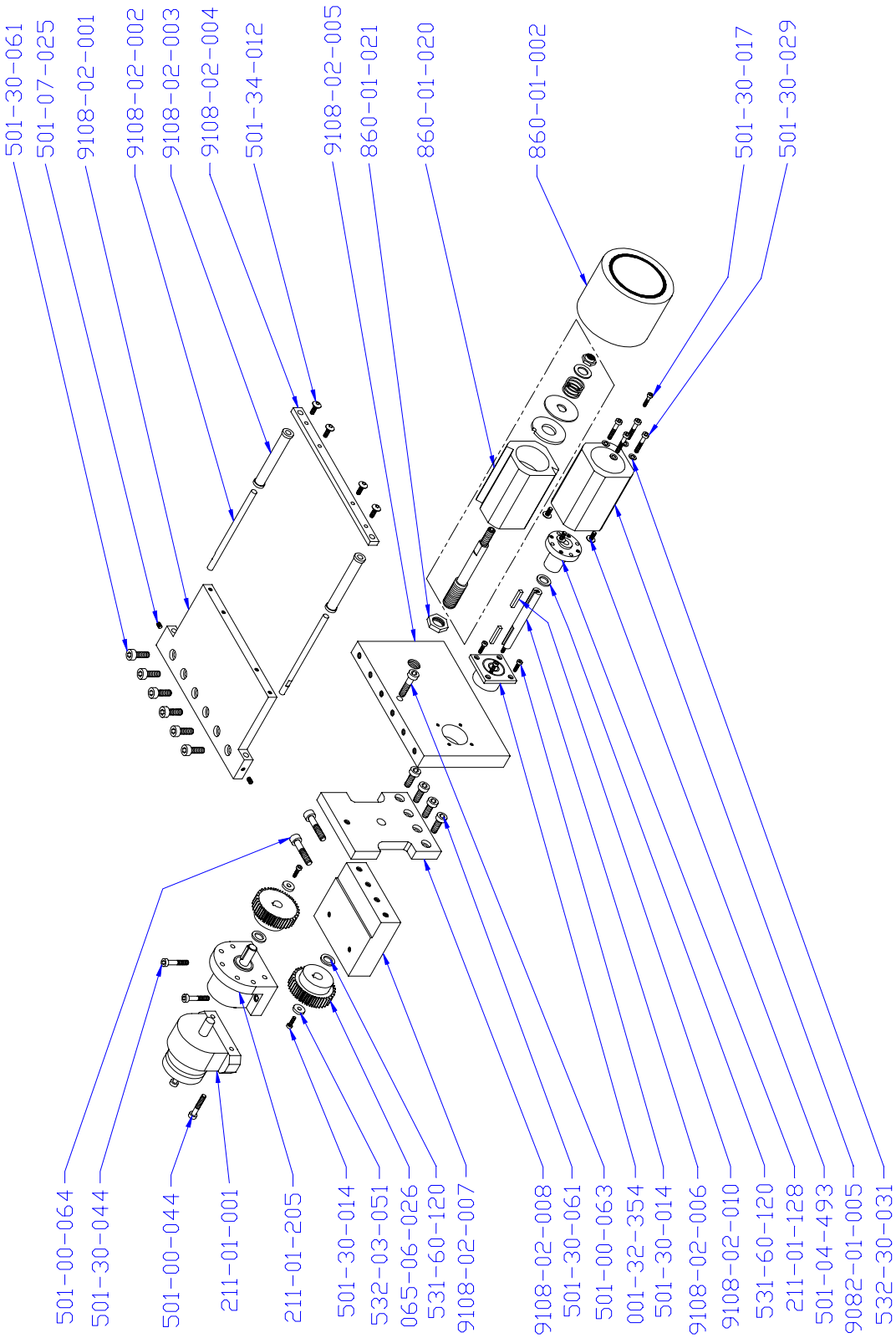
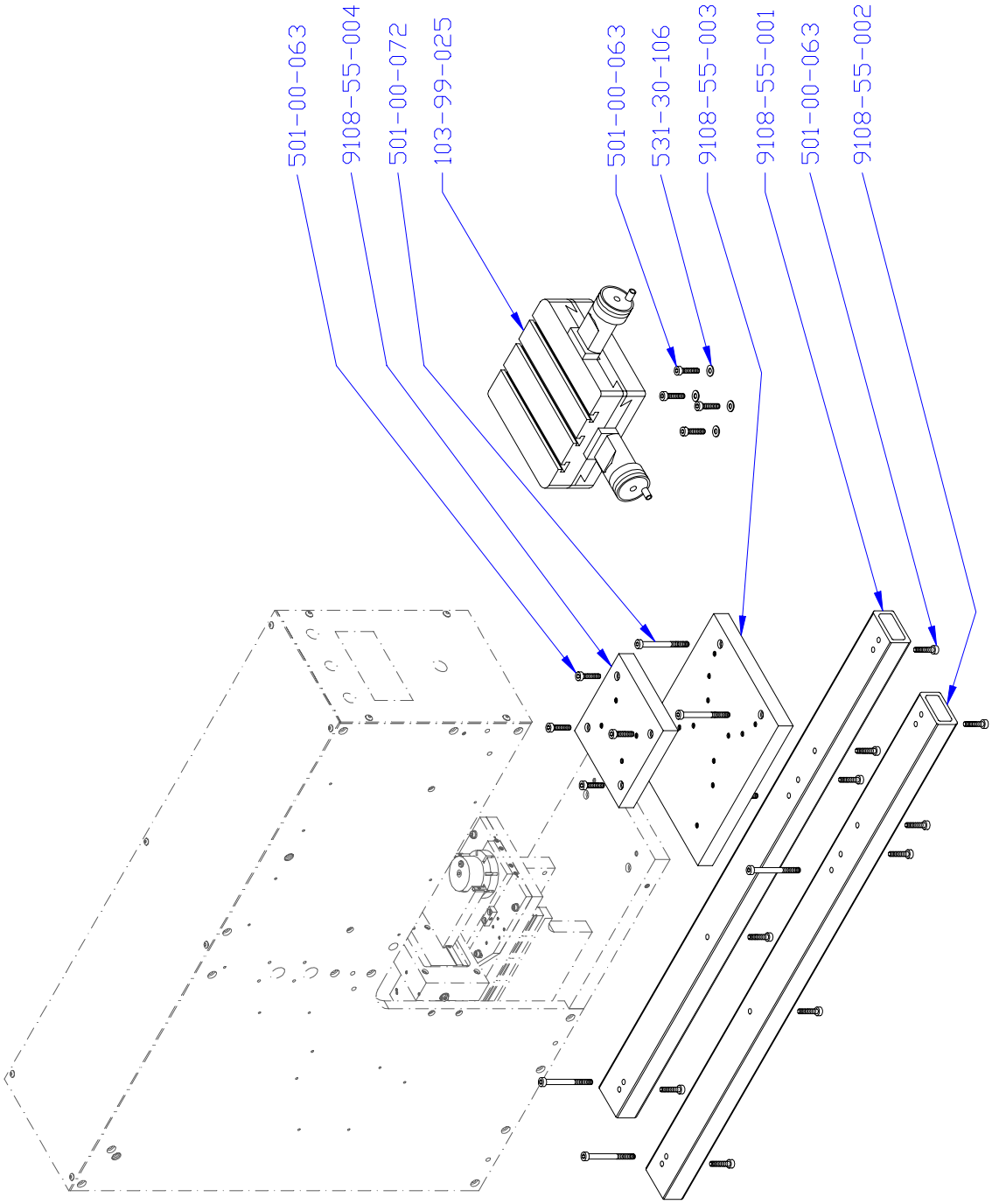

501-00-064
501-30-044
501-00-044
211-01-001
211-01-205
501-30-014
532-03-051
065-06-026
531-60-120
9108-02-007
9108-02-008
501-30-061
501-00-063
001-32-354
501-30-014
9108-02-006
9108-02-010
531-60-120
211-01-128
501-04-493
9082-01-005
532-30-031
501-30-061
501-07-025
9108-02-001
9108-02-002
9108-02-003
9108-02-004
501-34-012
9108-02-005
860-01-021
860-01-020
860-01-002
501-30-017
501-30-029

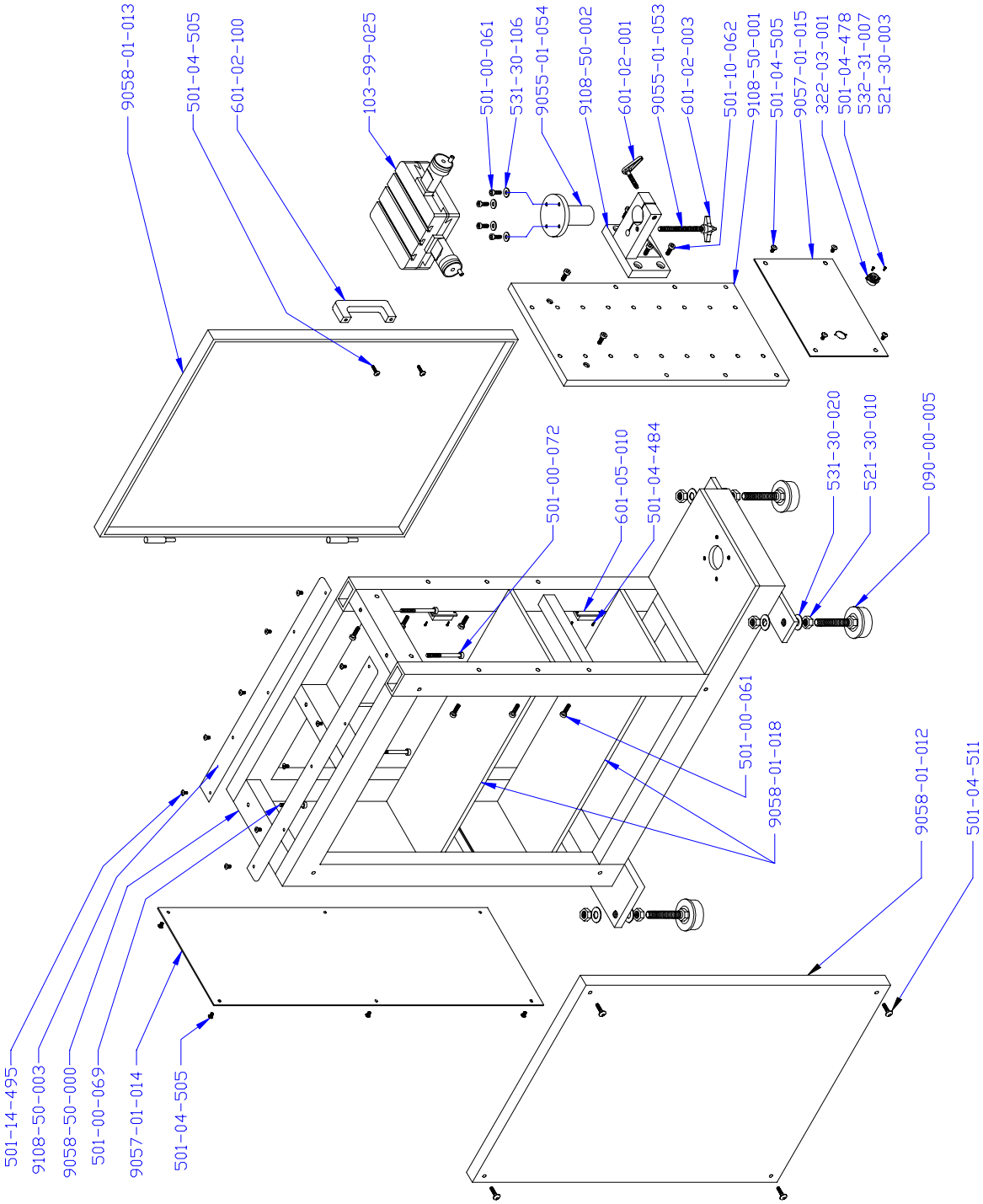
Table Top

103-99-025	X-Y table
501-00-063	Socket head cap screw
501-00-072	Socket head cap screw
531-30-106	Flat washer
9108-55-001	Tube, RH
9108-55-002	Tube, LH
9108-55-003	Mounting plate
9108-55-004	Sub-plate


501-00-063
9108-55-004
501-00-072
103-99-025
501-00-063
531-30-106
9108-55-003
9108-55-001
501-00-063
9108-55-002

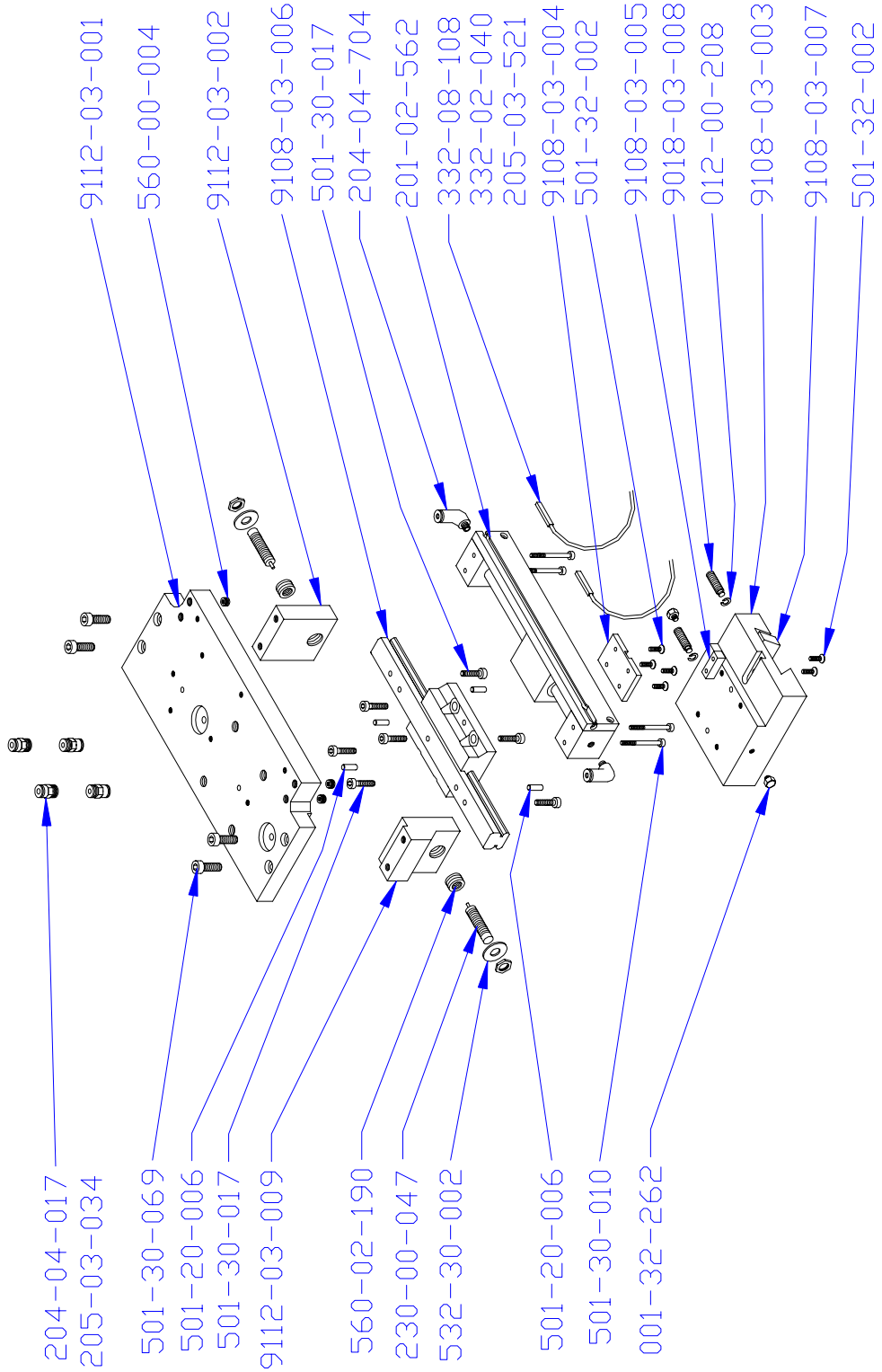
Base

090-00-005	Foot
103-99-025	X-Y table
322-03-001	Receptacle, foot pedal
501-00-061	Socket head cap screw
501-00-069	Socket head cap screw
501-00-072	Socket head cap screw
501-04-478	Button head cap screw
501-04-484	Button head cap screw
501-04-505	Button head cap screw
501-04-511	Button head cap screw
501-10-062	Socket head cap screw
501-14-495	Button head cap screw
521-30-003	Hex nut
521-30-010	Hex nut
531-30-020	Flat washer
531-30-106	Flat washer
532-31-007	Lock washer
601-02-001	Handle
601-02-003	Star knob
601-02-100	Handle
601-05-010	Magnetic catch
9055-01-053	Height adjusting screw
9055-01-054	Table support
9057-01-014	Rear panel
9057-01-015	Front panel
9058-01-012	Side panel
9058-01-013	Door panel
9058-01-018	Shelf
9058-50-000	Frame
9108-50-001	Front plate
9108-50-002	Support bracket
9108-50-003	Side cover


9058-01-013
501-04-505
601-02-100
103-99-025
501-00-061
531-30-106
9055-01-054
9108-50-002
601-02-001
9055-01-053
601-02-003
501-10-062
9108-50-001
501-04-505
9057-01-015
322-03-001
501-04-478
532-31-007
521-30-003
501-00-072
601-05-010
501-04-484
531-30-020
521-30-010
090-00-005
501-00-061
9058-01-018
9058-01-012
501-04-511
501-14-495
9108-50-003
9058-50-000
501-00-069
9057-01-014
501-04-505

Pad Shuttle

001-32-262	Stop pin
012-00-208	Circlip
201-02-562	Cylinder
204-04-017	Connector
204-04-704	Elbow
205-03-521	Jacket
230-00-047	Shock absorber
332-02-040	Connector
332-08-108	Switch, solid state
501-00-039	Socket head cap screw
501-20-002	Dowel pin
501-30-010	Socket head cap screw
501-30-017	Socket head cap screw
501-30-069	Socket head cap screw
501-32-002	Flat head cap screw
532-30-002	Flat washer
560-00-004	Threaded insert
560-02-190	Threaded insert
9108-03-003	Plate, dovetail
9108-03-004	Plate, drive
9108-03-005	Key, drive
9108-03-006	Guide rail
9108-03-007	Locking bar
9108-03-008	Clamp screw
9112-03-001	Plate, slide mount
9112-03-002	Plate, stroke adjust
9112-03-009	Plate, stroke adjust


9112-03-001
560-00-004
9112-03-002
9108-03-006
501-30-017
204-04-704
201-02-562
332-08-108
332-02-040
205-03-521
9108-03-004
501-32-002
9108-03-005
9018-03-008
012-00-208
9108-03-003
9108-03-007
501-32-002
204-04-017
205-03-034
501-30-069
501-20-006
501-30-017
9112-03-009
560-02-190
230-00-047
532-30-002
501-20-006
501-30-010
001-32-262

Recommended Spare Parts

		Qty.
332-02-013	Proximity switch	2
332-02-020	Cable, proximity switch	1
332-02-017	Proximity switch	2
332-02-008	Cable, proximity switch	1
230-00-029	Shock absorber	1
304-06-001	Safety switch	1
353-01-006	Fuse, 3A	5
353-01-010	Fuse, 5A	5
92100003	Filter kit (Filter / regulator)	1
333-03-145	Replacement lamp for Start and Stop pushbuttons	5
	Pad coupler	1

For Padcleaner Option

860-01-002	Tape roll 375 X 3.0”	

For Pad Shuttle Option

230-00-047	Shock Absorber	1
332-08-108	Switch, solid state	1