
RG4200 Roll Grooving Tool

**OGS**
IGS™

PARTS ORDERING INFORMATION

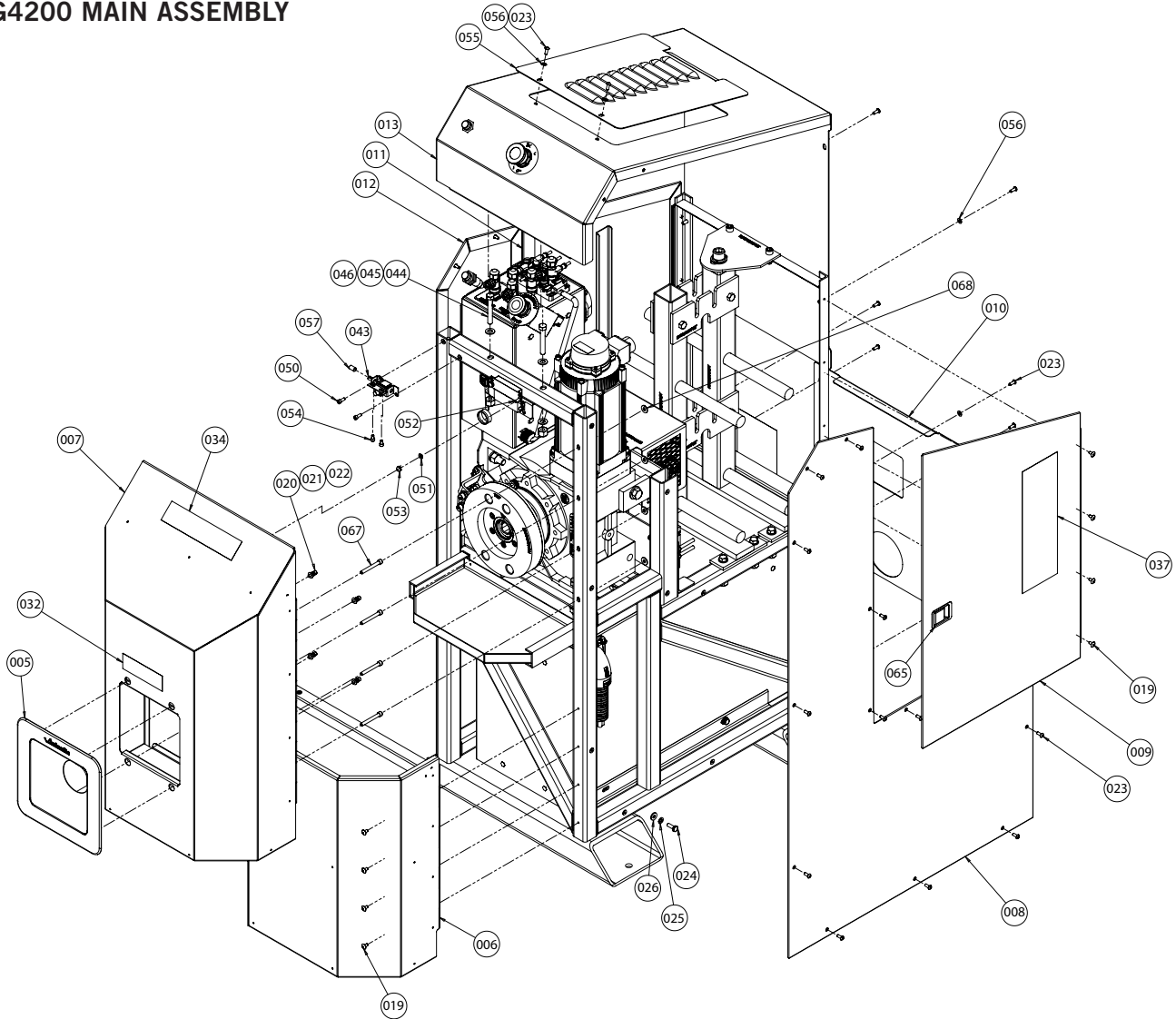
When ordering parts, the following information is necessary for Victaulic to process the order promptly:

1. Tool Model Number – RG4200
2. Tool Serial Number – The Serial Number can be found on the side of the tool.
3. Quantity*, Item Number, Part Number, Description
4. Where to send the part(s) – Company Name and Address
5. To whose attention to send the part(s)
6. Purchase Order Number

Parts may be ordered from your nearest Victaulic Sales Office.

* Quantity given in **Qty.** column indicates total number of pieces required per tool. Value of "A/R" indicates "As Required" which may differ based on usage and environment.

RG4200 MAIN ASSEMBLY



PIPE GUIDE KIT

Item #	Part #	Qty.	Description
-	R000G42PGK	1	Pipe Guide Kit
005	*	1	Exterior Pipe Guide, Machining
020	*	4	Screw, #10-24 X 5/8 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
021	*	4	Washer, #10, Helical Spring-Lock, Regular, ASME B18.21.1 Carbon Steel, ASTM B695 Class 55 Type I Zinc Plated
022	*	4	Washer, 0.203 Nominal, Plain, 0.203 X 0.469 X 0.049, ASME B18.21.1, Low Carbon Steel, ASTM F1941 Fe/Zn 3A Clear ZincPlated

* Included in assembly. Not available for individual sale.

LOWER DOOR KIT

Item #	Part #	Qty.	Description
-	R000G42LDK	1	Lower Door Kit
006	*	1	Lower Door, Weldment
019	*	4	Screw, #10-24 X 3/8 Truss Head Machine, Cross Recessed, ASME B18.6.3, Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
043	*	1	Latch, Door, Hidden Panel, Push To Close, Floating Keeper, Steel, Zinc Plated
057	*	2	Cap, Push-On, Round, Flexible, For 1/4 OD, Vinyl Plastic, Black
036	*	1	Banner Label, Lower
050	*	2	Screw, #10-32 X 1/2 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
054	*	2	Screw, #10-24 X 5/16 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated

* Included in assembly. Not available for individual sale.

UPPER DOOR KIT

Item #	Part #	Qty.	Description
-	R000G42UDK	1	Upper Door Kit
007	*	1	Upper Door, Weldment
067	*	4	Screw, #10-24 X 3/8 Truss Head Machine, Cross Recessed, ASME B18.6.3, Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
068	*	4	Washer, 1/4 Nominal, Plain, 0.281 X 0.625 X 0.065, SAE J2655, Carbon Steel, ASTM F1941 Fe/Zn 3E Black Zinc Plated
043	*	1	Latch, Door, Hidden Panel, Push To Close, Floating Keeper, Steel, Zinc Plated
057	*	2	Cap, Push-On, Round, Flexible, For 1/4 OD, Vinyl Plastic, Black
035	*	1	Banner Label, Upper
050	*	2	Screw, #10-32 X 1/2 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
054	*	2	Screw, #10-24 X 5/16 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated

* Included in assembly. Not available for individual sale.

MAIN ASSEMBLY (CONTINUED)

RIGHT ENCLOSURE PANEL KIT

Item #	Part #	Qty.	Description
-	R000G42REP	1	Right Enclosure Panel Kit
008	*	1	Right Enclosure Panel
023	*	16	Screw, #10-32 X 1/2 Button Head Cap, Hex Socket, ASME B18.3, ASTM F879 Alloy Group 1 Condition CW Stainless Steel, Black Oxide Coated

* Included in assembly. Not available for individual sale.

RIGHT ACCESS DOOR KIT

Item #	Part #	Qty.	Description
-	R000G42RAD	1	Right Access Door Kit
009	*	1	Door, Access, Right Sub-Assembly
037	*	1	Victaulic Logo Label
065	*	2	Latch, Door, Flush Mount, Pull To Open, Small Paddle, Steel, Black Powder Coated
019	*	4	Screw, #10-24 X 3/8 Truss Head Machine, Cross Recessed, ASME B18.6.3, Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated

* Included in assembly. Not available for individual sale.

REAR PANEL KIT

Item #	Part #	Qty.	Description
-	R000G42RPK	1	Rear Panel Kit
010	*	1	Rear Panel Enclosure
023	*	4	Screw, #10-32 X 1/2 Button Head Cap, Hex Socket, ASME B18.3, ASTM F879 Alloy Group 1 Condition CW Stainless Steel, Black Oxide Coated
056	*	4	Washer, #10 Nominal, Plain, 0.203 X 0.438 X 0.031, Stainless Steel, Black Oxide Coated

* Included in assembly. Not available for individual sale.

LEFT ENCLOSURE PANEL KIT

Item #	Part #	Qty.	Description
-	R000G42LEP	1	Left Enclosure Panel Kit
012	*	1	Left Enclosure Panel, Screen Access
023	*	16	Screw, #10-32 X 1/2 Button Head Cap, Hex Socket, ASME B18.3, ASTM F879 Alloy Group 1 Condition CW Stainless Steel, Black Oxide Coated

* Included in assembly. Not available for individual sale.

LEFT ACCESS DOOR KIT

Item #	Part #	Qty.	Description
-	R000G42LAD	1	Left Access Door Kit
011	*	1	Door, Access Left, Weldment
019	*	4	Screw, #10-24 X 3/8 Truss Head Machine, Cross Recessed, ASME B18.6.3, Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
065	*	2	Latch, Door, Flush Mount, Pull To Open, Small Paddle, Steel, Black Powder Coated

* Included in assembly. Not available for individual sale.

TOP ENCLOSURE KIT

Item #	Part #	Qty.	Description
-	R000G42TEK	1	Top Enclosure Kit
013	*	1	Top Enclosure Panel
055	*	1	Panel, Access, Removable
056	*	6	Washer, #10 Nominal, Plain, 0.203 X 0.438 X 0.031, Stainless Steel, Black Oxide Coated
023	*	6	Screw, #10-32 X 1/2 Button Head Cap, Hex Socket, ASME B18.3, ASTM F879 Alloy Group 1 Condition CW Stainless Steel, Black Oxide Coated
044	*	2	Bolt, 3/8-16 X 2-1/2 Full Thread Hex, ASME B18.2.1, ASTM A307 Grade A Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
045	*	4	Washer, 3/8 Nominal, Plain, 0.406 X 0.734 X 0.063, Carbon Steel, Clear Zinc Plated
046	*	2	Locknut, 3/8-16 Hex, Nylon Insert, ASME B18.16.6 Style NU, Grade NE2 Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated

* Included in assembly. Not available for individual sale.

FRONT DOOR LATCH KIT

Item #	Part #	Qty.	Description
-	R000G42FDL	1	Front Door Latch Kit
043	*	1	Latch, Door, Hidden Panel, Push To Close, Floating Keeper, Steel, Zinc Plated
057	*	1	Cap, Push-On, Round, Flexible, For 1/4 OD, Vinyl Plastic, Black
050	*	2	Screw, #10-32 X 1/2 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
054	*	2	Screw, #10-24 X 5/16 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated

* Included in assembly. Not available for individual sale.

TOP PANEL KIT

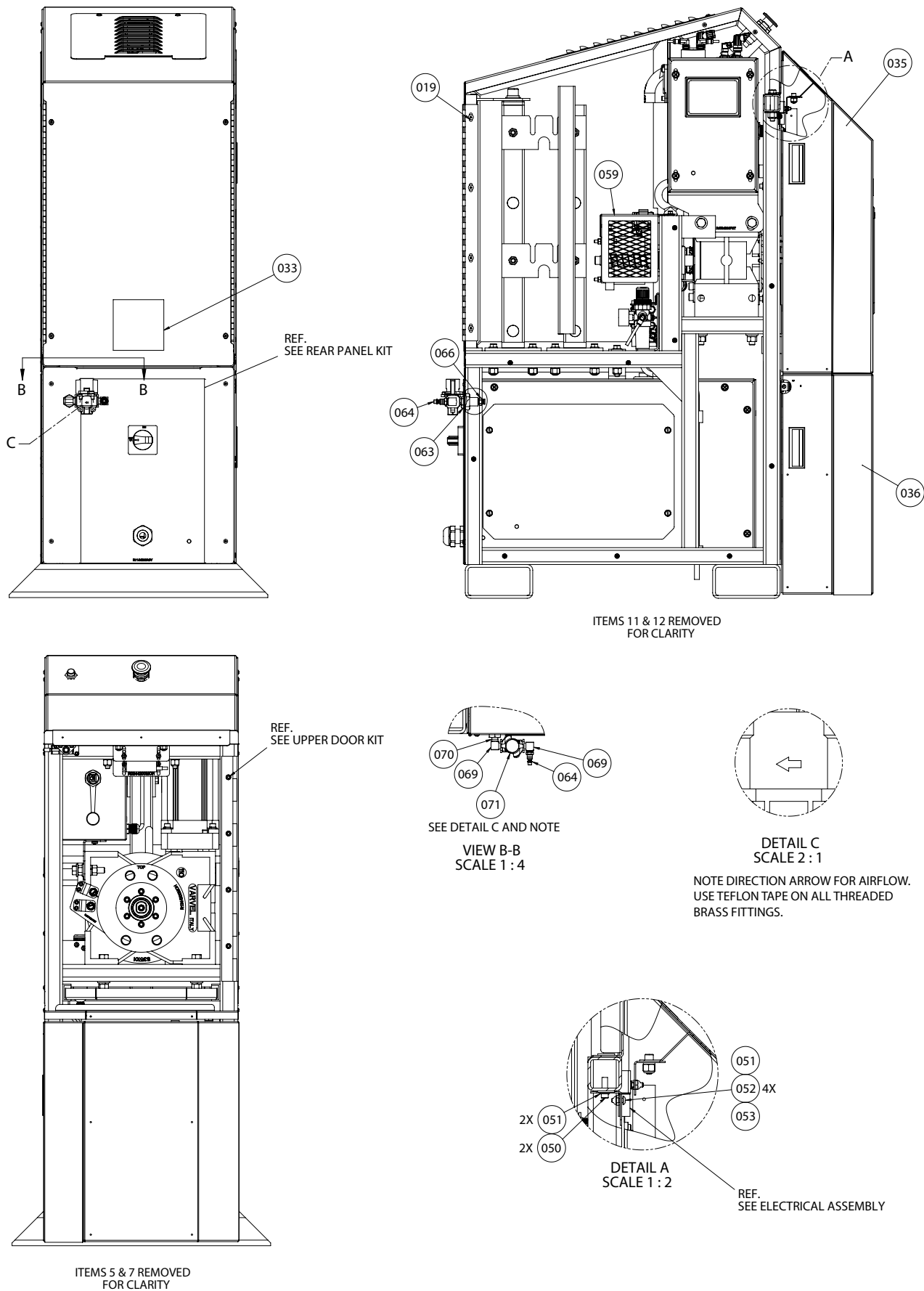
Item #	Part #	Qty.	Description
-	R000G42TPK	1	Top Panel Kit
055	*	1	Panel, Access, Removable
023	*	47	Screw, #10-32 X 1/2 Button Head Cap, Hex Socket, ASME B18.3, ASTM F879 Alloy Group 1 Condition CW Stainless Steel, Black Oxide Coated
056	*	6	Washer, #10 Nominal, Plain, 0.203 X 0.438 X 0.031, Stainless Steel, Black Oxide Coated

* Included in assembly. Not available for individual sale.

INDIVIDUAL ITEMS

Item #	Part #	Qty.	Description
019	NS0801003	12	Screw, #10-24 X 3/8 Truss Head Machine, Cross Recessed, ASME B18.6.3, Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
023	NSCR000035	47	Screw, #10-32 X 1/2 Button Head Cap, Hex Socket, ASME B18.3, ASTM F879 Alloy Group 1 Condition CW Stainless Steel, Black Oxide Coated
032	R112110LBL	1	Warning Label, Moving Parts Inside
034	R512111LBL	1	Logo
037	R512131LBL	1	Victaulic Logo Label
050	NSCR000037	6	Screw, #10-32 X 1/2 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
051	NW01010000	6	Washer, #10 Nominal, Plain, 0.203 X 0.406 X 0.040, Carbon Steel, Clear Zinc Plated
052	NS03010008	4	Screw, #10-24 X 1/2 Button Head Cap, Torx Tamper Resistant, Pin-In, T25, ASME B18.3, ASTM F835, Black Oxide Coated
053	NN01010001	4	Locknut, #10-24 Hex Machine Screw, Nylon Insert, ASME B18.16.6 STYLE NM, Grade N2 Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
054	NSCR0000015	4	Screw, #10-24 X 5/16 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
056	NWSR000009	6	Washer, #10 Nominal, Plain, 0.203 X 0.438 X 0.031, Stainless Steel, Black Oxide Coated
065	NMSC000070	2	Latch, Door, Flush Mount, Pull To Open, Small Paddle, Steel, Black Powder Coated

MAIN ASSEMBLY (CONTINUED)



MAIN ASSEMBLY (CONTINUED)

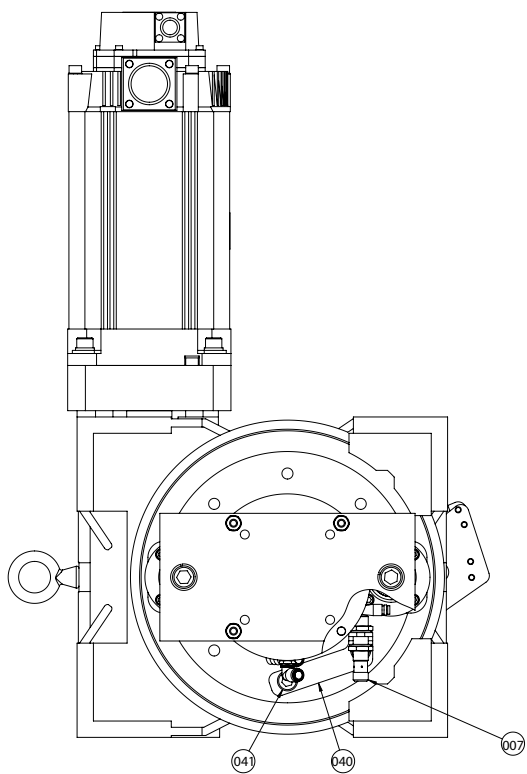
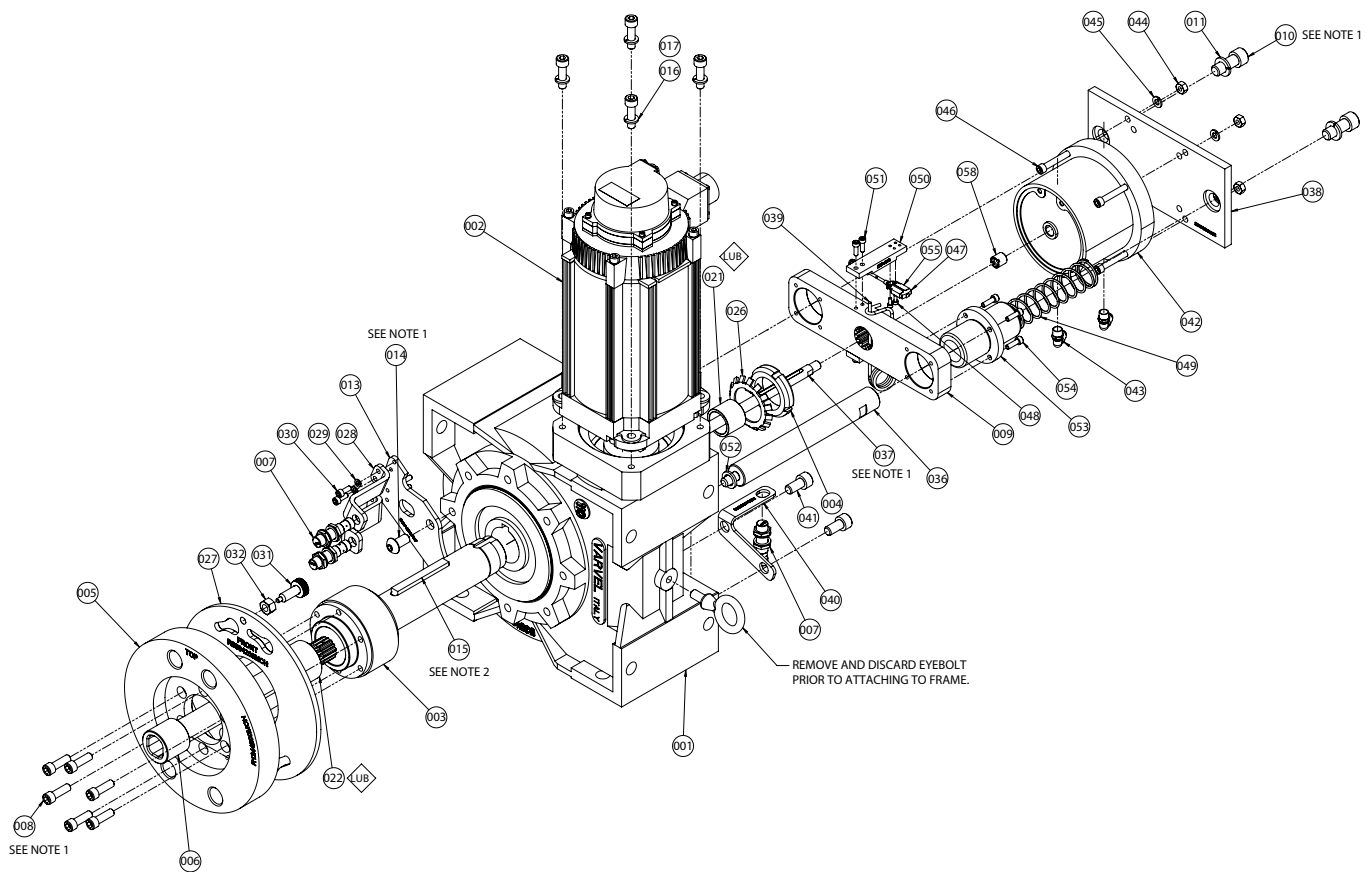
AIR CONNECT KIT

Item #	Part #	Qty.	Description
-	R000G42ACK	1	RG4200 Air Connect Kit
064	*	1	Hose Coupling, Industrial Shape Quick Disconnect Male Plug, Size 1/4 X 1/4 NPTF Male, Steel, Zinc Plated
063	*	1	Bulkhead Fitting, 1/4 NPT Female X 3/4-16 Male, Brass
066	*	1	Male Connector, Air, 1/4 NPT Male X 1/4 Tube OD, Push To Connect, Brass, Nickel Plated
069	*	2	Elbow, Street, 90 DEG, 1/4 NPT Female X 1/4 NPT Male, Brass, Plain
070	*	1	Nipple, 1/4 NPT X Close, ASTM B687 Schedule 40, ASTM B43 Brass, Plain
071	*	1	Valve, Relief, 3 Port, 1/4 NPT Female, 14.5 To 145 PSI, Aluminum Body, PBT Plastic Handle

* Included in assembly. Not available for individual sale.

INDIVIDUAL ITEMS

Item #	Part #	Qty.	Description
019	NS0801003	12	Screw, #10-24 X 3/8 Truss Head Machine, Cross Recessed, ASME B18.6.3, Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
033	R512109LBL	1	Electrical Specifications and Serial Number Plate
035	R512127LBL	1	Banner Label, Upper
036	R512126LBL	1	Banner Label, Lower
050	NSCR000037	6	Screw, #10-32 X 1/2 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
051	NW01010000	6	Washer, #10 Nominal, Plain, 0.203 X 0.406 X 0.040, Carbon Steel, Clear Zinc Plated
052	NS03010008	4	Screw, #10-24 X 1/2 Button Head Cap, Torx Tamper Resistant, Pin-In, T25, ASME B18.3, ASTM F835, Black Oxide Coated
053	NN01010001	4	Locknut, #10-24 Hex Machine Screw, Nylon Insert, ASME B18.16.6 STYLE NM, Grade N2 Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
059	R786G42PNT	1	Weldment, Guard, Cylinder
063	NMSC000068	1	Bulkhead Fitting, 1/4 NPT Female X 3/4-16 Male, Brass
064	NMSC000069	1	Hose Coupling, Industrial Shape Quick Disconnect Male Plug, Size 1/4 X 1/4 NPTF Male, Steel, Zinc Plated
066	NMSC000071	1	Male Connector, Air, 1/4 NPT Male X 1/4 Tube OD, Push To Connect, Brass, Nickel Plated



DRIVE ASSEMBLY (CONTINUED)

GEARBOX SHAFT KIT

Item #	Part #	Qty.	Description
-	R000G42GSK	1	Gearbox Shaft Kit
003	*	1	Gearbox Shaft
015	*	1	Gearbox To Shaft Key
021	*	1	Bearing, Sleeve, 1.000 ID X 1.250 OD X 1.000 Length, Sintered Iron-Copper, AM3-SPD Impregnated
022	*	1	Bearing, Sleeve, 1.500 ID X 1.750 OD X 1.500 Length, Sintered Iron, AM3-SPD Impregnated

* Included in assembly. Not available for individual sale.

ANTI-ROTATION BRACKET KIT

Item #	Part #	Qty.	Description
-	R000G42ARB	1	Anti-Rotation Bracket Kit
009	*	1	Anti-Rotation Bracket, Center Support
053	*	2	Bearing, Linear, 25mm ID X 40mm OD X 59mm Length X 62mm DIA Flange X 8mm Flange Thickness, 52100 Steel, Plain
054	*	8	Screw, #10-32 X 5/8 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated

* Included in assembly. Not available for individual sale.

INDIVIDUAL ITEMS

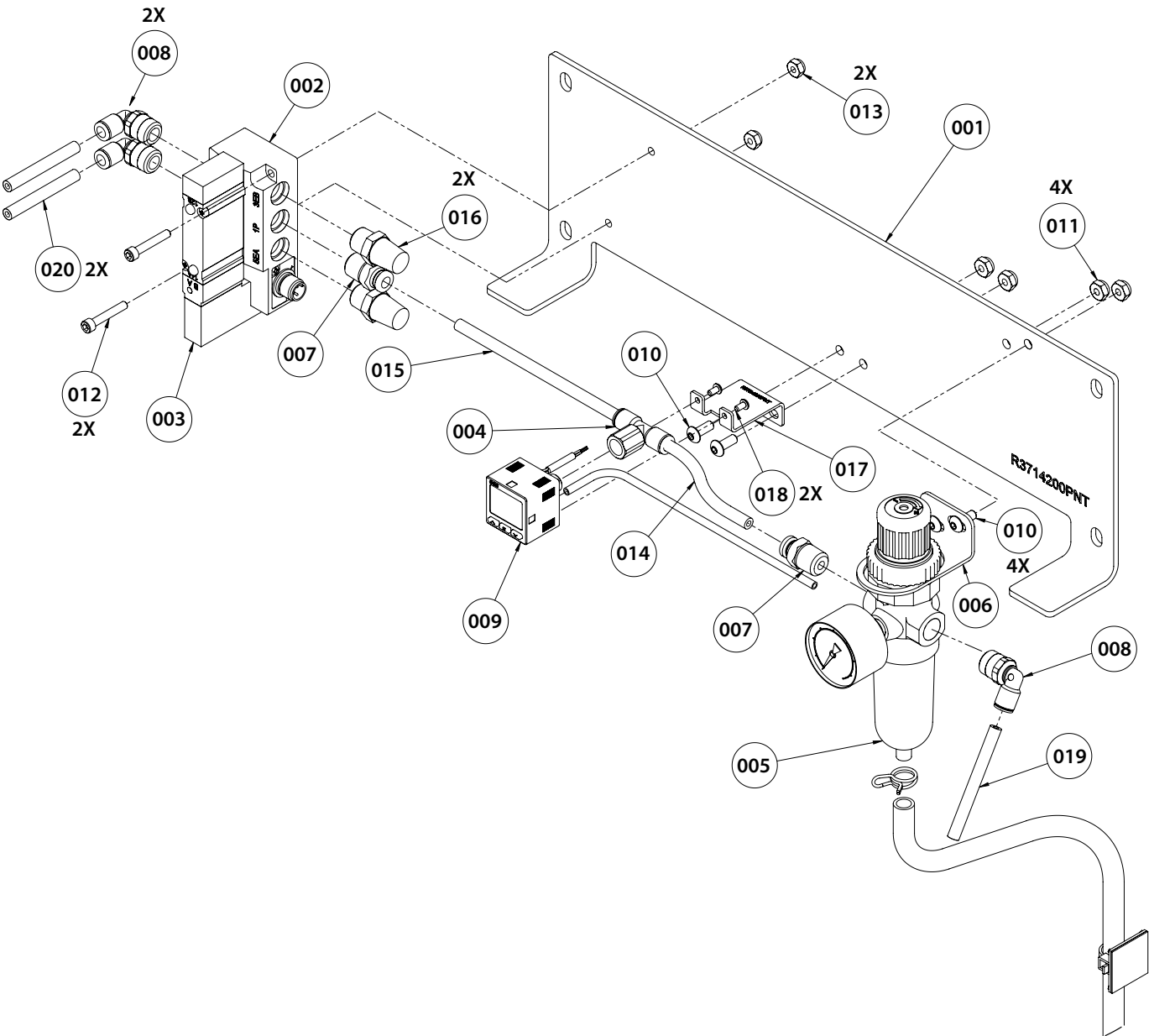
Item #	Part #	Qty.	Description
001	NM00G42001	1	Gearbox, Single Worm Gear, Size 110, 1:40 Ratio, DQM464 Input Flange, 1.625 Hollow Output Shaft
002	NE01000035	1	Motor, 5.0kW, Brushless Sigma 7 Servo, Batteryless, 24-Bit Absolute, Shaft End With Key
004	NNUT000007	1	Locknut, Bearing, 1.563-18 Thread, Steel
005	R124G42MCH	1	Flywheel
006	R709G42MCH	1	Intermediate Shaft, Center Support
007	NE02000037	3	Switch, Inductive Proximity, Noncontact, 4mm MAX Sensing Range, PNP Single Output, Normally Open, 10VDC To 30VDC, 200mA, CuZn Metal-Plastic
010	NSCR000019	2	Screw, M12 X 1.75 X 30 Hex Socket Head Cap, ISO 4762, ISO 898-1 Class 12.9 Alloy Steel, Black Oxide Coated
011	NWSR000003	2	Washer, M12, Helical Spring-Lock, Regular, DIN 127 Type B, Carbon Steel, Black Oxide Coated
013	R127G42PNT	1	Proximity Sensor Bracket, Secondary
014	NS03010020	2	Screw, M10 X 1.5 X 20 Button Head Cap, Hex Socket, ASME B18.3.4M, ASTM F835M, Alloy Steel, Black Oxide Coated
016	NWSR000013	4	Washer, M8, Helical Spring-Lock, Regular, ASME B18.21.2M, Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
017	NS08125030	4	Screw, M8 X 1.25 X 30 Hex Socket Head Cap, ASME B18.3.1M, ASTM A574M Alloy Steel, Black Oxide Coated
026	NB61000108	1	Lockwasher, Bearing, 1.583 ID X 2.469 OD X 0.063 Thickness, Carbon Steel
027	R058G42MCH	1	Locking Plate
028	R065G42PNT	2	Proximity Sensor Bracket
029	NW03010000	4	Washer, #10, Helical Spring-Lock, Regular, ASME B18.21.1 Carbon Steel, ASTM B695 Class 55 Type I Zinc Plated
030	NSCR000037	4	Screw, #10-32 X 1/2 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, ASTM F1941 Fe/Zn 5A Clear Zinc Plated
031	NMSC000081	1	Spring Plunger, Locking Type, Knurled Knob, 3/8-16 Threaded, Retractable, Steel, Zinc Plated
032	NNUT000008	1	Nut, 3/8-16 Hex, ASME B18.2.2, ASTM A563 Grade A Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
036	NMSC000082	2	Shaft, 25mm Nominal Diameter X 221mm Length, M10 Threaded X M12 Tapped, With Wrench Flats, 52100 Alloy Steel, Plain
037	R704G42MCH	1	Drive Connecting Rod, Center Support
038	R705G42MCH	1	Actuator Bracket, Center Support

Item #	Part #	Qty.	Description
039	NPIN000011	1	Pin, Cotter, Wire Snap, 1/8 DIA, 2-13/16 Usable Length, Spring Steel, Clear Zinc Plated
040	R772G42MCH	1	Rear Sensor Bracket, Center Support
041	NSCR000042	2	Screw, M10 X 1.5 X 30 Hex Socket Head Cap, ASME B18.3.1M, ASTM A574M Alloy Steel, Black Oxide Coated
042	NMSC000092	1	Cylinder, Pneumatic, 4.000 Bore X 2.000 Stroke, 0.750 Rod, 1/2-20 Female Thread Rod End, Double Acting, Base Mount, Aluminum
043	NMSC000066	2	Elbow, 90 DEG Male, 1/8 NPT Male X 1/4 Push To Connect Swivel, Air, Nickel Plated Brass, Plastic
044	NNUT000009	4	Nut 1/4-20 Hex, ASME B18.2.2, ASTM A563 Grade A, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
045	NW03000002	4	Washer, 1/4, Helical Spring-Lock, Regular, ASME B18.21.1, Carbon Steel, ASTM B695 Class 55 Type I Zinc Plated
046	NSCR000041	4	Screw, 1/4-20 X 1 3/4 X 1 Thread Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
047	NELC000120	1	Sensor, Photoelectric, Thrubeam, Flat Type, 0.6m Detection Distance, Stainless Steel Case, Polysulfone Cover
048	NSCR000043	4	Screw, M3 X 0.5 X 8 Hex Socket Head Cap, ISO 4762, ISO 898-1 Class 12.9 Alloy Steel, ISO 4042 A1J Clear Zinc Plated
049	NMSC000074	2	Spring, Compression, Closed End Ground Ends, 1.225 OD, 0.085 Wire DIA, 5.000 Free Length, 4.50 LBS/IN, 0.98 Solid Height, Stainless Steel, Plain
050	R765G42MCH	2	Sensor Bracket
051	NSCR000044	4	Screw, #8-32 X 1/2 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
052	NWSR000006	2	Shim, 12.7mm ID X 19.1mm OD X 2.4mm Thick, 1010 Steel, Plain
054	NSCR000045	8	Screw, #10-32 X 5/8 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
055	NELC000119	1	Sensor Slit, 0.5 X 3mm, 120mm Detecting Distance, Stainless Steel

NOTES:

1. APPLY LOCITITE 242 "THREADLOCKER BLUE" TO THE THREADS OF FASTENER PRIOR TO ASSEMBLY.
2. NOTE LOCATION OF KEY, ITEM 015 TO KEYWAY IN GEARBOX, ITEM 001. ROTATE INPUT SHAFT OF GEARBOX TO ACHIEVE 12 O'CLOCK POSITION.

RG4200 PNEUMATIC ASSEMBLY



RG4200 PNEUMATIC ASSEMBLY (CONTINUED)

SOLENOID ASSEMBLY KIT

Item #	Part #	Qty.	Description
-	R000G42SAK	1	Solenoid Assembly Kit
002	*	1	Manifold, Sub-Plate, Base Mounted Solenoid, Side Ported, 1/4 NPT
003	*	1	Solenoid Valve, 5 Port, 2 Position, 24VDC, Rubber Seal, Non-Locking Push Override
007	-	1	Male Connector, Air, 1/4 NPT Male X 1/4 Tube OD, Push To Connect, Brass, Nickel Plated
008	-	2	Elbow, 90 DEG Male, 1/4 NPT Male X 1/4 Push To Connect Swivel, Air, Nickel Plated Brass, Plastic
012	*	2	Screw, #8-32 X 1 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated
016	*	2	Muffler, 1/4 NPT Male, Air, Porous Bronze Element, Sintered Bronze

* Included in assembly. Not available for individual sale.

PRESSURE SENSOR KIT

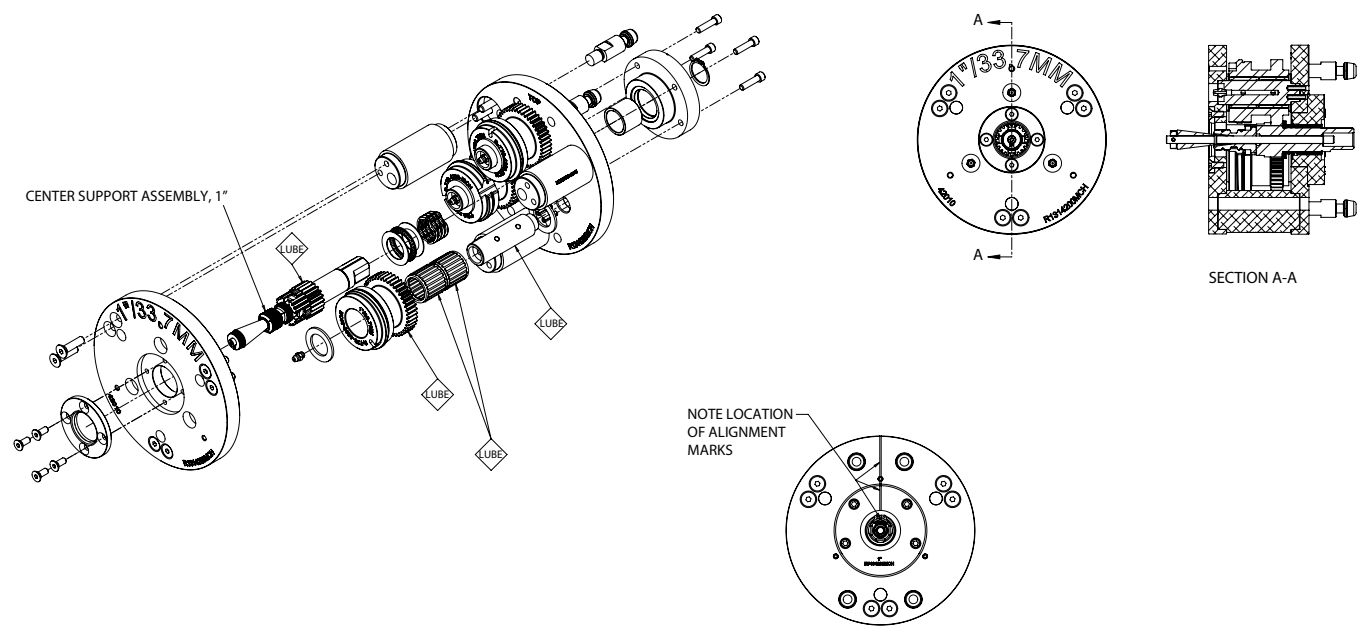
Item #	Part #	Qty.	Description
-	R000G42PSK	1	Pressure Sensor Kit
004	*	1	Tee, 1/4 Tube OD Push To Connect X 1/4 Tube OD Push To Connect X 1/8 NPT Female, Air, Plastic, Nickel Plated Brass
009	*	1	Pressure Sensor, Digital, 1/8 NPT Male, 3 Screen, 1 Output, Stainless Steel

* Included in assembly. Not available for individual sale.

INDIVIDUAL ITEMS

Item #	Part #	Qty.	Description
001	R371G42PNT	1	Pneumatic Bracket, Air Routing, RG4200 Orbital Cam Groover
005	NMSC000083	1	Filter, Air Regulator, Auto Drain, 1/4 NPT Female Inlet, 1/4 NPT Female Outlet, 5 Micron, 150 PSI Max, Cast Zinc, Polycarbonate
006	NMSC000055	1	Bracket, Mounting, Stacked Air Filter, Regulator, 1/4 And 1/8 NPT, Steel, Zinc Plated
007	NMSC000071	1	Male Connector, Air, 1/4 NPT Male X 1/4 Tube OD, Push To Connect, Brass, Nickel Plated
008	NMSC000105	1	Elbow, 90 DEG Male, 1/4 NPT Male X 1/4 Push To Connect Swivel, Air, Nickel Plated Brass, Plastic
010	NS10020006	4	Screw, #10-24 X 1/2 Button Head Cap, Hex Socket, ASTM F835, Black Oxide Coated
011	NN01010001	4	Locknut, #10-24 Hex Machine Screw, Nylon Insert, ASME B18.16.6 Style NM, Grade N2 Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
013	NN08008000	2	Locknut, #8-32 Hex Machine Screw, Nylon Insert, ASME B18.16.6 Style NM, Grade N2 Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
014	NMSC000061	1	Tube, 0.250 OD X 0.125 ID X 5.13 LG, Weld Spatter Resistant, Black, Polyurethane
015			
019			
020			
017	R372G42PNT	1	Bracket, Mounting, Pressure Sensor
018	NSCR000018	2	Screw, M3 X 0.5 X 6 Button Head Cap, Hex Socket, ASME B18.3.4M, ASTM F879M Class A1-70 Stainless Steel, Plain

RG4200 1" HEAD ASSEMBLY



RG4200 1" HEAD ASSEMBLY

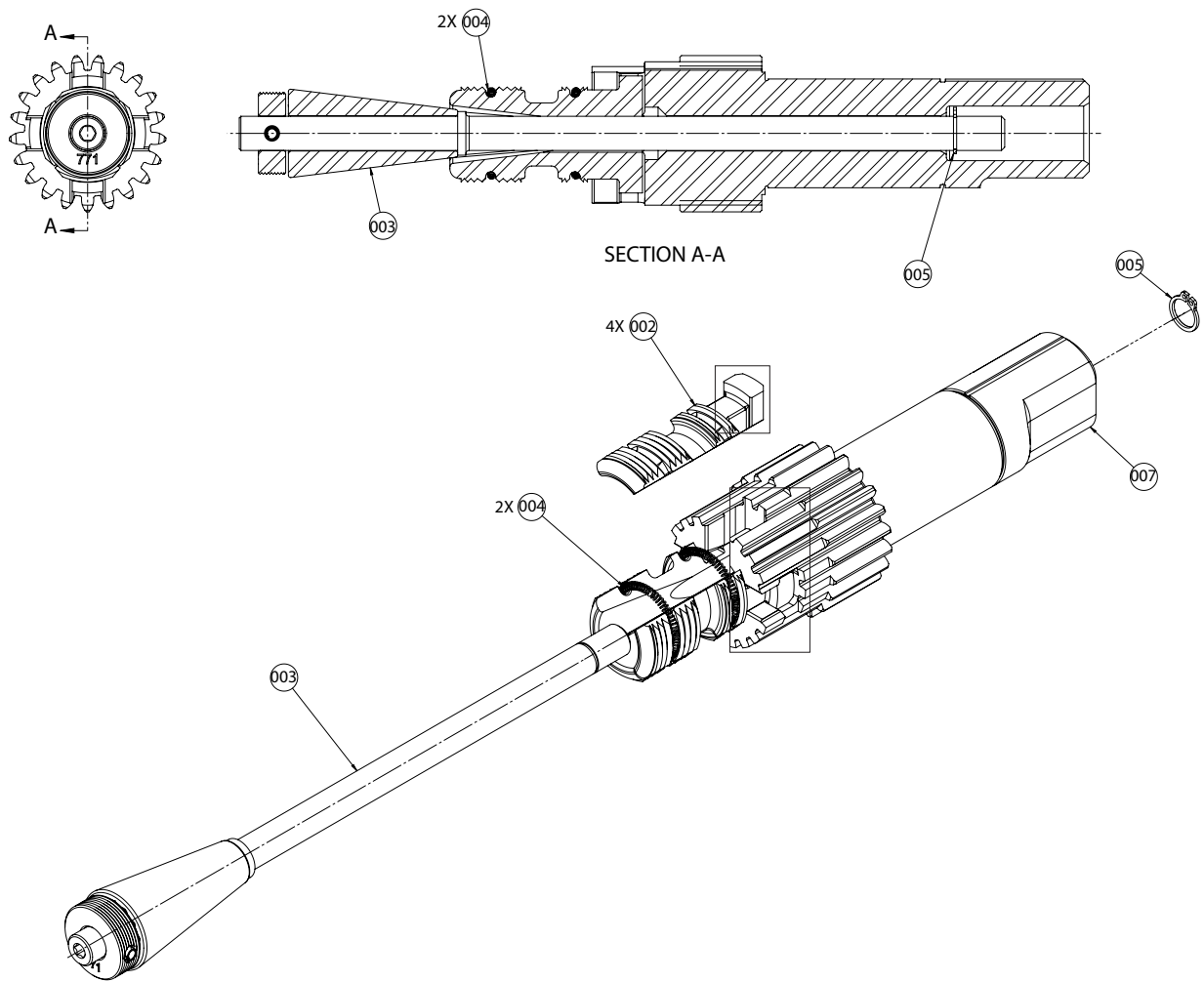
Item #	Part #	Qty.	Description
N/A	R770G42ASY	1	1" Head Assembly

MAINTENANCE KIT

Item #	Part #	Qty.	Description
-	R860G42KIT	1	4200 Maintenance Kit
N/A	*	4	1" Garter Springs
N/A	*	4	1 ¼" Garter Springs
N/A	*	4	1 ½" Garter Springs
N/A	*	4	2" Garter Springs
N/A	*	1	Nylon Brush
N/A	*	5	Pins
N/A	*	1	GDC Cable
N/A	*	1	16540 RP Sheet
N/A	*	1	12175 Manual

* Included in assembly. Not available for individual sale.

RG4200 CENTER SUPPORT ASSEMBLY, 1"



CENTER SUPPORT KIT

Item #	Part #	Qty.	Description
-	R010G42CSK	1	Center Support Kit
002	*	4	Segment, 1", Center Support
003	*	1	Connecting Rod Weldment, 1"
004	*	2	Garter Spring 18mm OD X 15mm ID, SS
005	NT52000300	1	0.312 External Retaining Ring
007	*	1	Pinion Shaft, 1", Integral Pipe Stop, Center Support, Full Tooth

* Included in assembly. Not available for individual sale.

GARTER SPRING REBUILD KIT

Item #	Part #	Qty.	Description
-	R010G42GSR	1	Garter Spring Rebuild Kit
004	*	2	Garter Spring 18mm OD X 15mm ID, SS
N/A	*	5	Pin, Ring-Grip, Quick Release 3/16" Diameter x 1" Usable Length

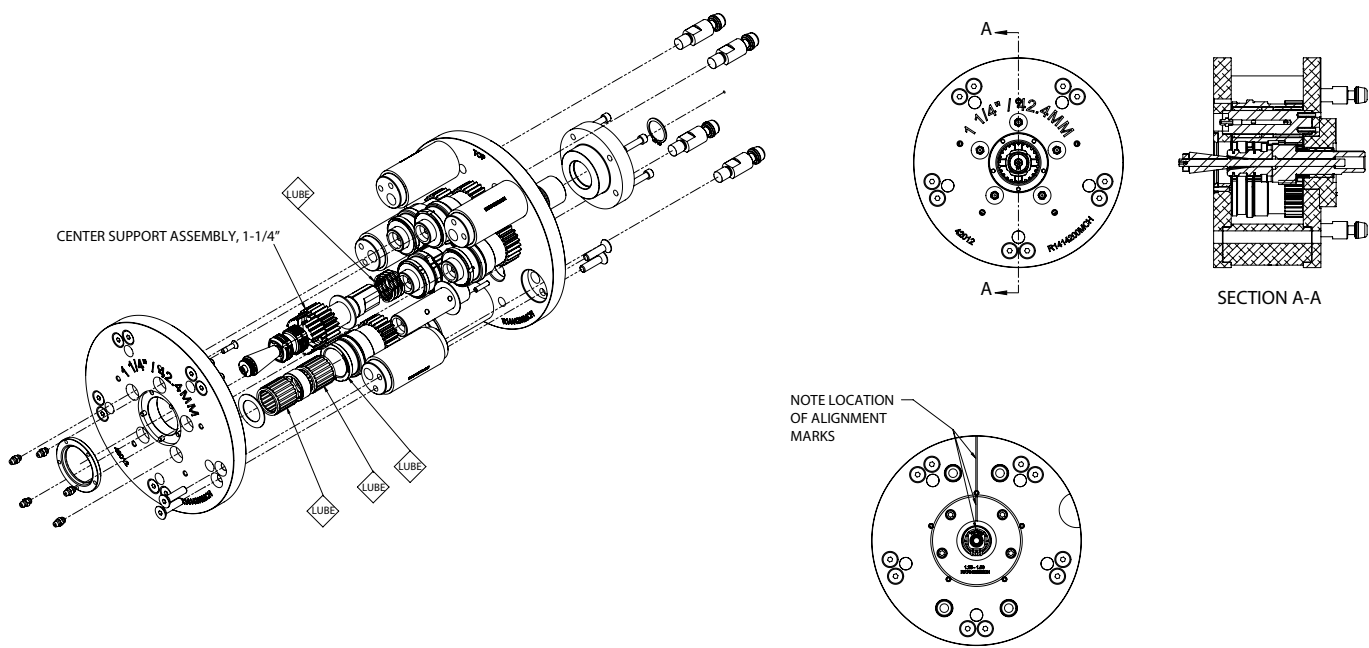
* Included in assembly. Not available for individual sale.

CONNECTING ROD KIT

Item #	Part #	Qty.	Description
-	R010G42CRK	1	Connecting Rod Kit
003	*	1	Connecting Rod Weldment, 1"
005	NT52000300	1	0.312 External Retaining Ring

* Included in assembly. Not available for individual sale.

RG4200 1 1/4" HEAD ASSEMBLY



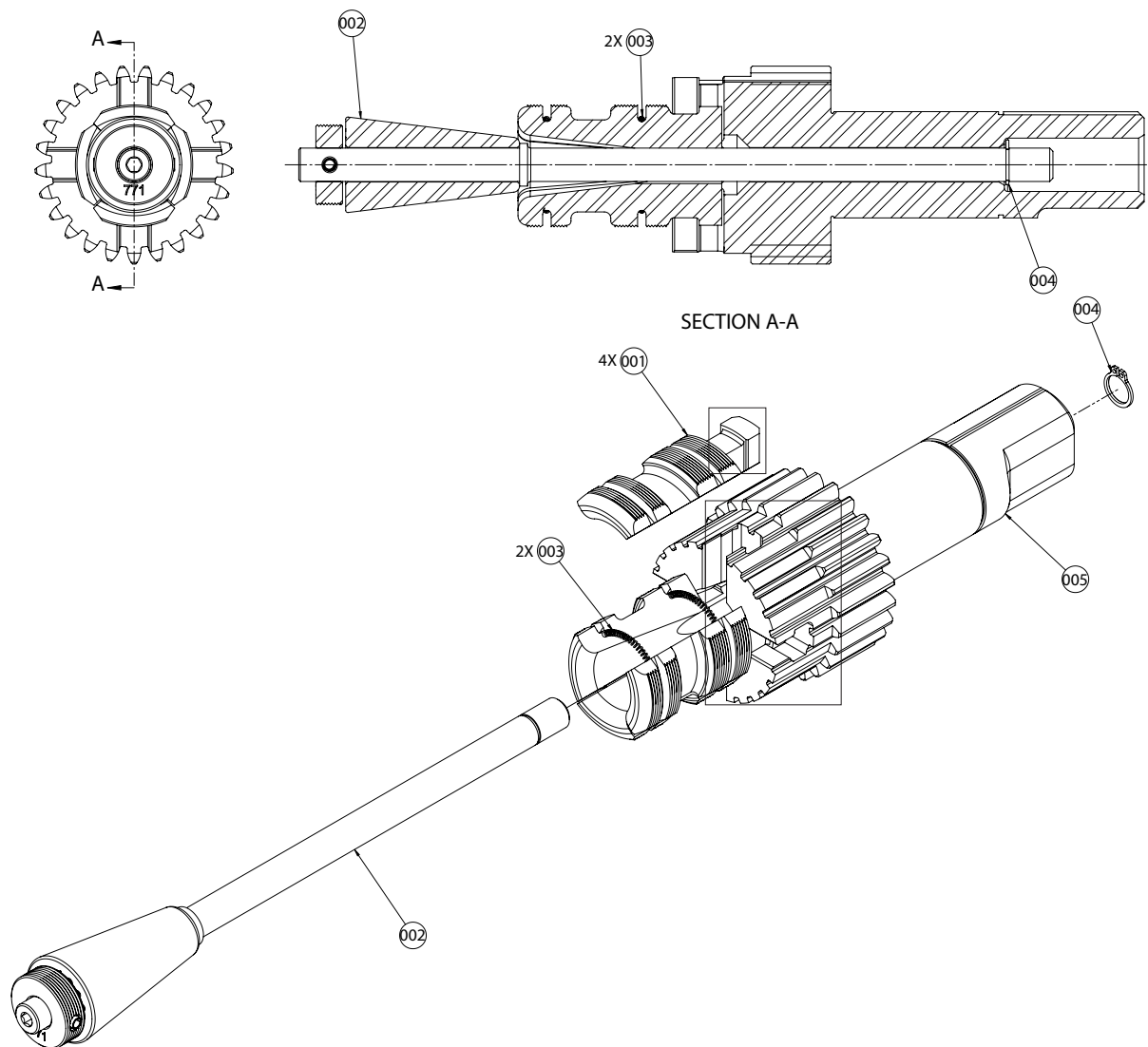
RG4200 1 1/4" HEAD ASSEMBLY

Item #	Part #	Qty.	Description
N/A	R780G42ASY	1	1 1/4" Head Assembly

MAINTENANCE KIT

Item #	Part #	Qty.	Description
N/A	see page 10	1	4200 Maintenance Kit

RG4200 CENTER SUPPORT ASSEMBLY, 1 1/4"



CENTER SUPPORT KIT

Item #	Part #	Qty.	Description
-	R012G42CSK	1	Center Support Kit
001	*	4	Segment, 1 1/4" / 42.4mm, T-Slot, Center Support
002	*	1	Connecting Rod Weldment, 1 1/4"
003	*	2	Spring, Garter, Connected Spring Ends, 0.908 OD X 0.784 ID, 0.011 Wire Diameter, 4.8 LBS Working Load, Stainless Steel
004	NT52000300	1	0.312 External Retaining Ring
005	*	1	Pinion Shaft, 1 1/4", Integral Pipe Stop, Center Support, Full Tooth

* Included in assembly. Not available for individual sale.

GARTER SPRING REBUILD KIT

Item #	Part #	Qty.	Description
-	R012G42GSR	1	Garter Spring Rebuild Kit
003	*	2	Spring, Garter, Connected Spring Ends, 0.908 OD X 0.784 ID, 0.011 Wire Diameter, 4.8 LBS Working Load, Stainless Steel
N/A	*	5	Pin, Ring-Grip, Quick Release 3/16" Diameter x 1" Usable Length

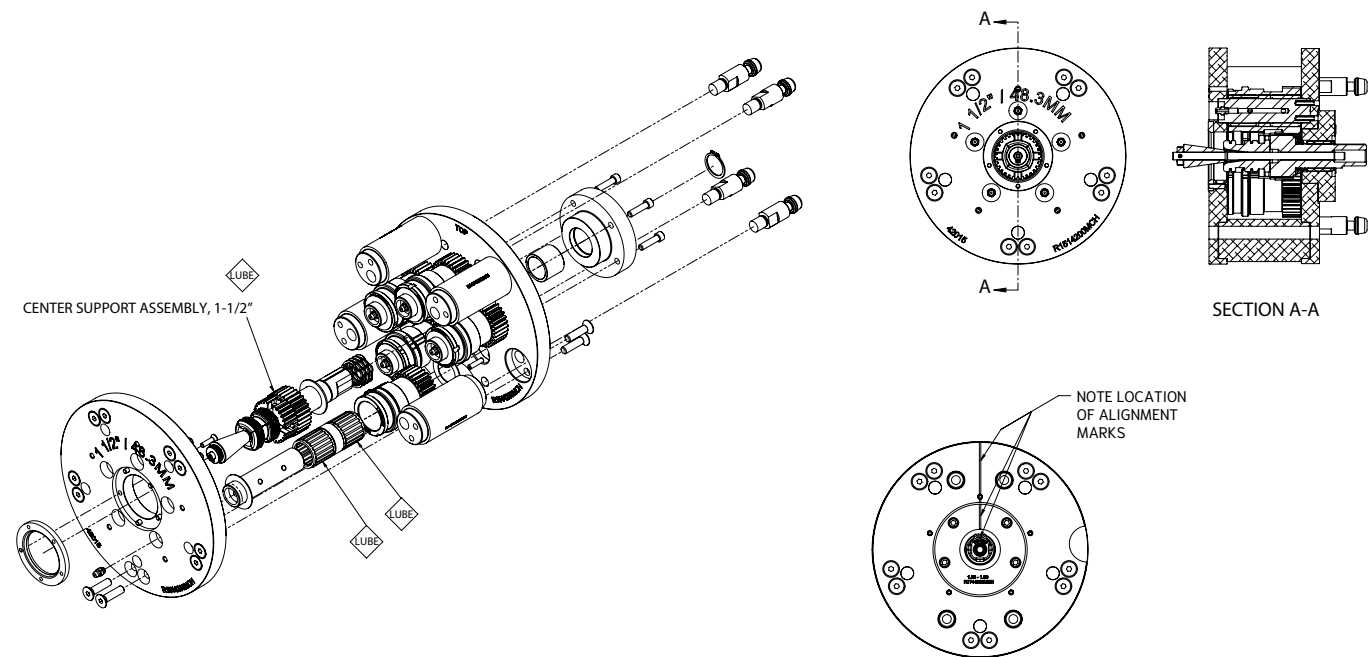
* Included in assembly. Not available for individual sale.

CONNECTING ROD KIT

Item #	Part #	Qty.	Description
-	R012G42CRK	1	Connecting Rod Kit
002	*	1	Connecting Rod Weldment, 1 1/4"
004	NT52000300	1	0.312 External Retaining Ring

* Included in assembly. Not available for individual sale.

RG4200 1 1/2" HEAD ASSEMBLY



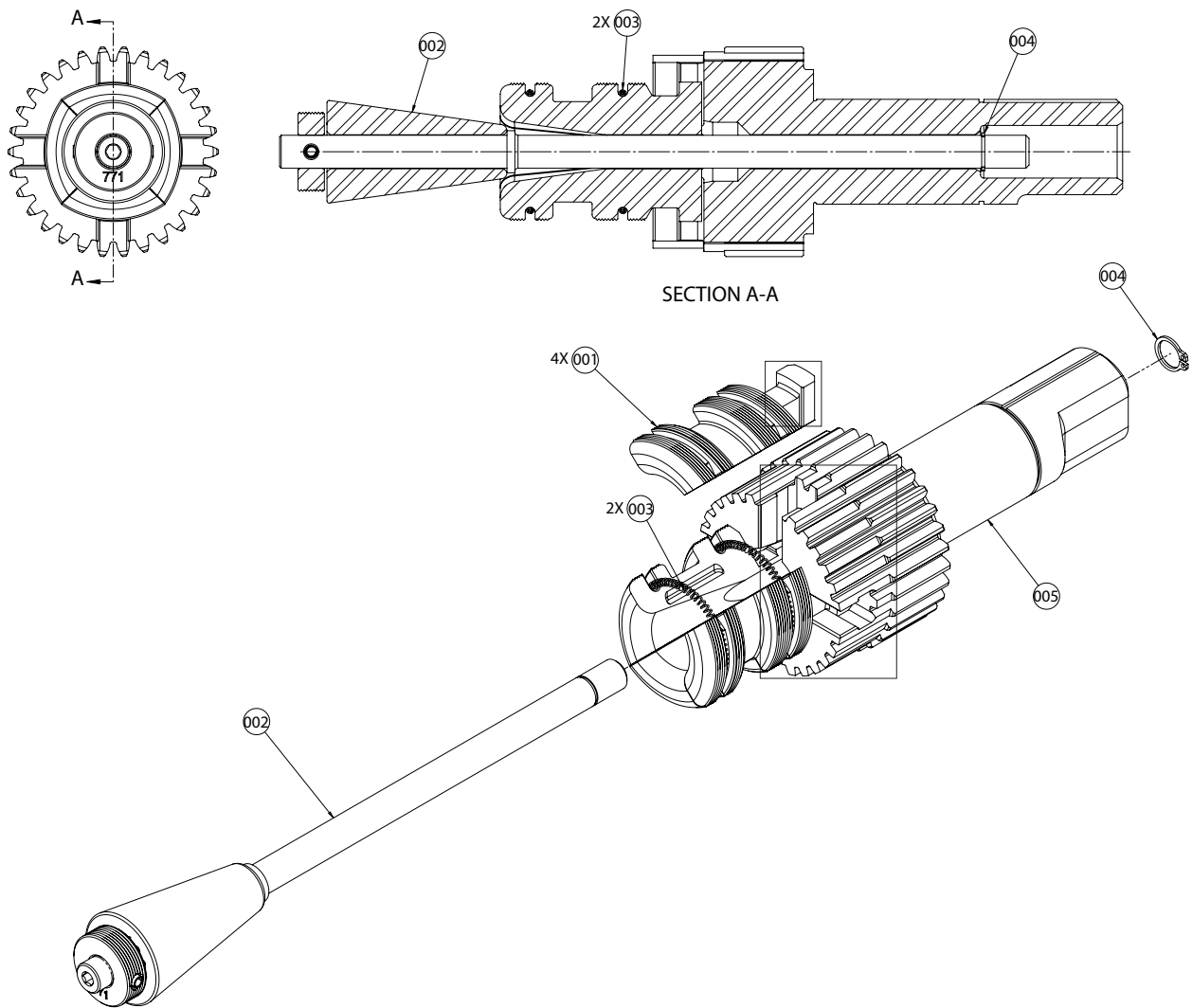
RG4200 1 1/2" HEAD ASSEMBLY

Item #	Part #	Qty.	Description
N/A	R785G42ASY	1	1 1/2" Head Assembly

MAINTENANCE KIT

Item #	Part #	Qty.	Description
N/A	see page 10	1	4200 Maintenance Kit

RG4200 CENTER SUPPORT ASSEMBLY, 1 1/2"



CENTER SUPPORT KIT

Item #	Part #	Qty.	Description
-	R014G42CSK	1	Center Support Kit
001	*	4	Segment, 1 1/2", T-Slot, Center Support
002	*	1	Connecting Rod Weldment, 1 1/2"
003	*	2	Spring, Garter, Connected Spring Ends, 1.175 OD X 1.019 ID, 0.013 Wire Diameter, 7.0 LBS Working Load, Stainless Steel
004	NT52000300	1	0.312 External Retaining Ring
005	*	1	Pinion Shaft, 1 1/2" Integral Pipe Stop, Center Support, Full Tooth

* Included in assembly. Not available for individual sale.

GARTER SPRING REBUILD KIT

Item #	Part #	Qty.	Description
-	R014G42GSR	1	Garter Spring Rebuild Kit
003	*	2	Spring, Garter, Connected Spring Ends, 1.175 OD X 1.019 ID, 0.013 Wire Diameter, 7.0 LBS Working Load, Stainless Steel
N/A	*	5	Pin, Ring-Grip, Quick Release 3/16" Diameter x 1" Usable Length

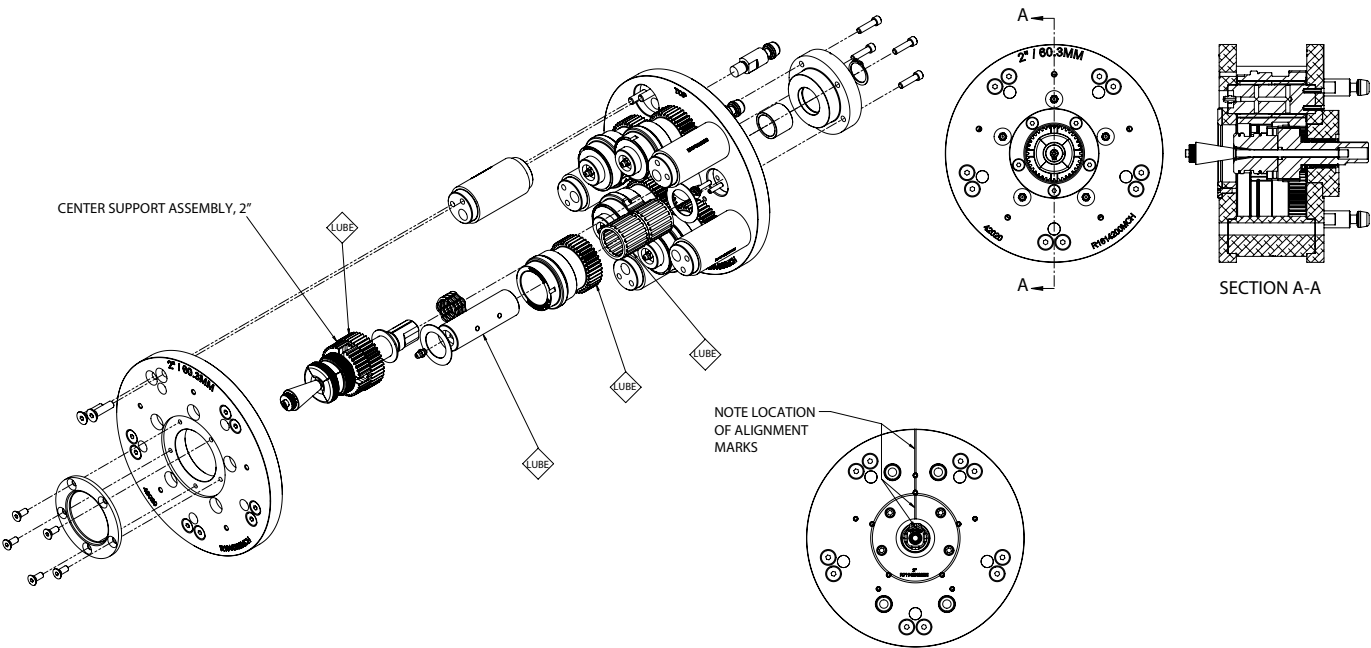
* Included in assembly. Not available for individual sale.

CONNECTING ROD KIT

Item #	Part #	Qty.	Description
-	R014G42CRK	1	Connecting Rod Kit
002	*	1	Connecting Rod Weldment, 1 1/2"
004	NT52000300	1	0.312 External Retaining Ring

* Included in assembly. Not available for individual sale.

RG4200 2" HEAD ASSEMBLY



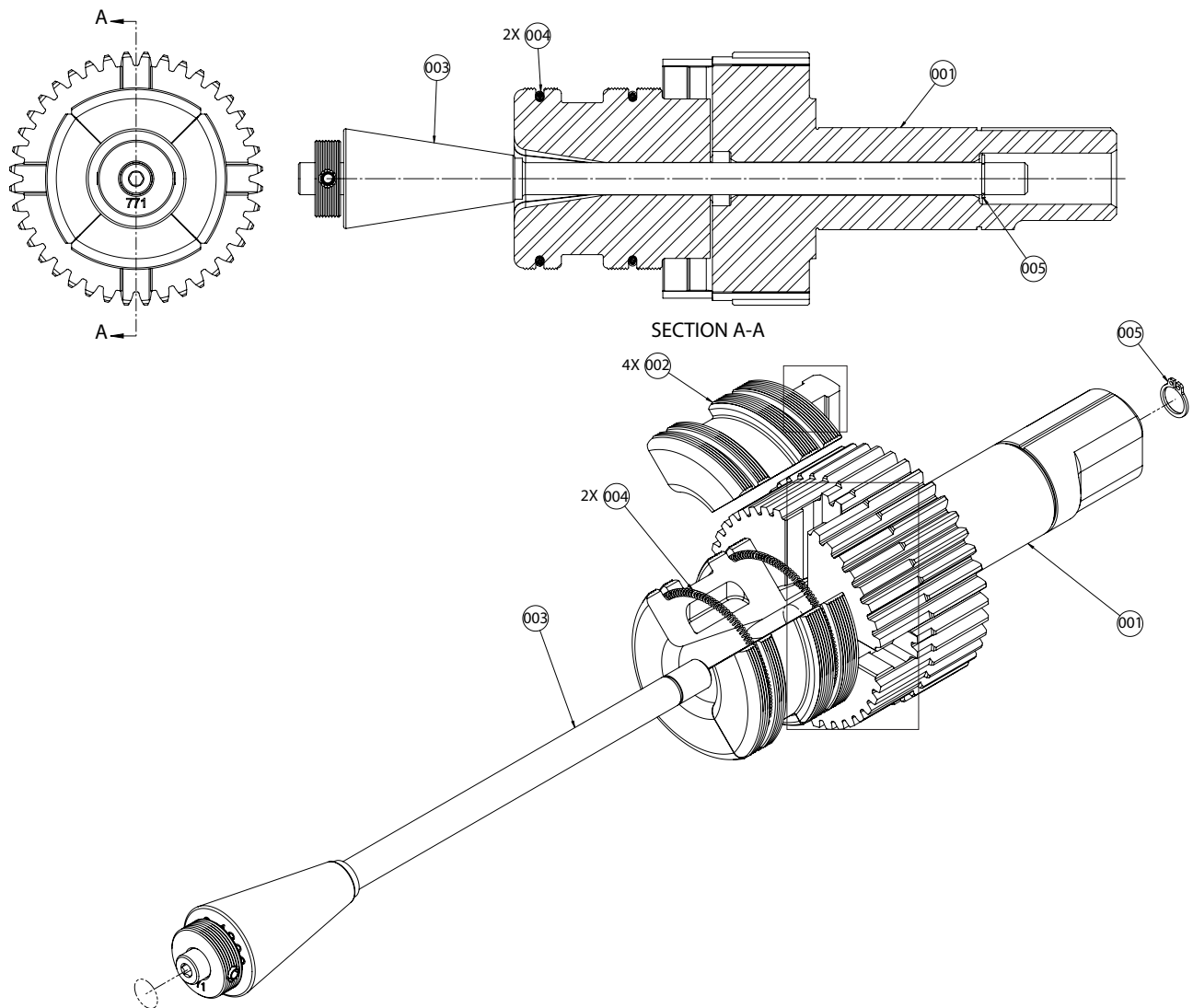
RG4200 2" HEAD ASSEMBLY

Item #	Part #	Qty.	Description
N/A	R715G42ASY	1	2" Head Assembly

MAINTENANCE KIT

Item #	Part #	Qty.	Description
N/A	see page 10	1	4200 Maintenance Kit

RG4200 CENTER SUPPORT ASSEMBLY, 2"



CENTER SUPPORT KIT

Item #	Part #	Qty.	Description
-	R020G42CSK	1	Center Support Kit
001	*	1	Pinion Shaft, 2" Integral Pipe Stop, Center Support, Full Tooth
002	*	4	Segment, 2", T-Slot, Center Support
003	*	1	Connecting Rod Weldment, 2"
004	*	2	Spring, Garter, Connected Spring Ends, 1.706 OD X 1.550 ID, 0.015 Wire Diameter, 12 LBS Working Load, Stainless Steel
005	NT52000300	1	0.312 External Retaining Ring

* Included in assembly. Not available for individual sale.

GARTER SPRING REBUILD KIT

Item #	Part #	Qty.	Description
-	R020G42GSR	1	Garter Spring Rebuild Kit
004	*	2	Spring, Garter, Connected Spring Ends, 1.706 OD X 1.550 ID, 0.015 Wire Diameter, 12 LBS Working Load, Stainless Steel
N/A	*	5	Pin, Ring-Grip, Quick Release 3/16" Diameter x 1" Usable Length

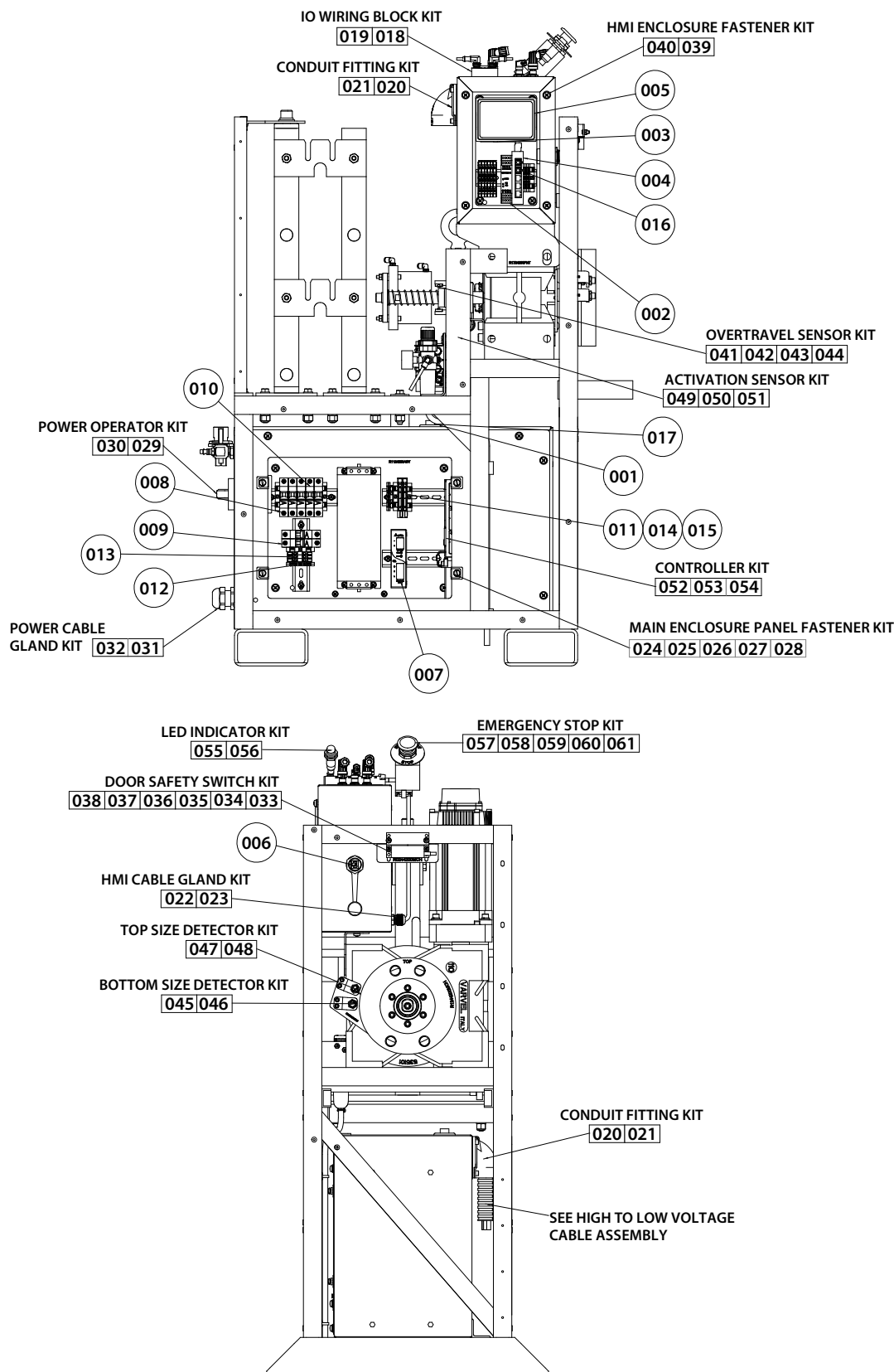
* Included in assembly. Not available for individual sale.

CONNECTING ROD KIT

Item #	Part #	Qty.	Description
-	R020G42CRK	1	Connecting Rod Kit
003	*	1	Connecting Rod Weldment, 2"
005	NT52000300	1	0.312 External Retaining Ring

* Included in assembly. Not available for individual sale.

RG4200 ELECTRICAL ASSEMBLY



NOTE: Circles represent individual parts and boxes are kits

RG4200 ELECTRICAL ASSEMBLY (CONTINUED)

IO WIRING BLOCK KIT

Item #	Part #	Qty.	Description
-	R000G42IWB	1	IO Wiring Block Kit
018	*	1	Cable Sub-Assembly, External, Bulkhead Connector To Splitter Box Wiring Block
019	*	4	Screw, M4 X 0.7 X 16, Pan Head Machine, Type 1 Cross Recessed, ISO 7045, ISO 898-1 Class 4.8 Steel, ISO 4042 Fe/Zn AIL Yellow Zinc Plated

* Included in assembly. Not available for individual sale.

CONDUIT FITTING KIT

Item #	Part #	Qty.	Description
-	R000G42CFK	1	Conduit Fitting Kit
020	*	1	Conduit Fitting, Direct, Screw Type Mounting, 85mm Length X 76mm Width X 51mm Height, IP54, UL94-V0, Polycarbonate
021	*	4	Screw, 1/4-20 X 5/8 Hex Socket Head Cap, ASME B18.3, ASTM A574 Alloy Steel, Black Oxide Coated

* Included in assembly. Not available for individual sale.

HMI CABLE GLAND KIT

Item #	Part #	Qty.	Description
-	R000G42HCG	1	HMI Cable Gland Kit
022	*	1	Connector, Cable Gland, 0.197 DIA To 0.394 DIA Range, 3/8 NPT Thread, Polyamide, IP68
023	*	1	Locknut, 3/8 NPT, Steel, Zinc Plated

* Included in assembly. Not available for individual sale.

MAIN ENCLOSURE PANEL FASTENER KIT

Item #	Part #	Qty.	Description
-	R000G42EPF	1	Main Enclosure Panel Fastener Kit
024	*	4	Receptacle, Clip-On, Size 6, 0.70mm Thru 3.2mm Panel Thickness Range, Carbon Steel, Silver Geomet Coated
025	*	4	Stud, Quarter-Turn, Slotted, Size 6, 6mm DIA X 16.0mm Length, Carbon Steel, Black Zinc Plated
026	*	4	Retainer, Push-On, 5.4mm ID X 12.5mm OD X 0.5mm THK, Stainless Steel, Plain
027	*	4	Washer, Cupped, 5.4mm ID X 14.0mm OD X 3.5mm Overall Height, High Density Polyethylene, Black
028	*	4	Spring, Ejector, Tapered, Ground Ends. 11.4mm OD, 7.6mm ID, 0.6mm Wire DIA, 24.1mm Free Length, Stainless Steel, Passivated

* Included in assembly. Not available for individual sale.

POWER OPERATOR KIT

Item #	Part #	Qty.	Description
-	R000G42POK	1	Power Operator Kit
029	*	1	Handle, Operator, Mechanical Interlock, With Lockout Feature, Ring Fixing, On, Off, Plastic
030	*	1	Disconnect, 3-Pole, 1000VAC, 32 AMP, Door Coupling Mount, Rotary Handle, Front Operated, Plastic

* Included in assembly. Not available for individual sale.

POWER CABLE GLAND KIT

Item #	Part #	Qty.	Description
-	R000G42PCG	1	Power Cable Gland Kit
031	*	1	Connector, Cable Gland, 0.551 DIA To 0.984 DIA Range, PG29 Thread, Polyamide, IP68
032	*	1	Locknut, 1 NPT, Polyamide, Black

* Included in assembly. Not available for individual sale.

DOOR SAFETY SWITCH KIT

Item #	Part #	Qty.	Description
-	R000G42DSS	1	Door Safety Switch Kit
033	*	1	Sensor, Magnetic Non Contact, 27VAC/DC, 2NO + 1NO, 100 mA Maximum Switching Current, 2 Meter Cable Length, Plastic, Glass Reinforced (PPS), Self Extinguishing, IP 67
034	*	1	Cable Sub-Assembly, External, Bulkhead Connector To Safety Sensor
035	*	4	Screw, #10-24 X 1/2 Button Head Cap, Torx Tamper Resistant, Pin-In, T25, ASME B18.3, ASTM F835, Black Oxide Coated
036	*	4	Locknut, #10-24 Hex Machine Screw, Nylon Insert, ASME B18.16.6 Style NM, Grade N2 Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
037	*	4	Washer, #10 Nominal, Plain, 0.203 X 0.406 X 0.040, Carbon Steel, Clear Zinc Plated
038	*	1	Bit, Torx, Tamper-Resistant T25, 1 IN Long, Steel, Plain

* Included in assembly. Not available for individual sale.

HMI ENCLOSURE FASTENER KIT

Item #	Part #	Qty.	Description
-	R000G42HME	1	HMI Enclosure Fastener Kit
039	*	4	Screw, 1/4-20 X 1/2 Pan Head Machine, Type 1 Cross Recessed And Washer, External Tooth-Lock, SEMS, ASME B18.6.3, Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
040	*	4	Washer, 1/4 Nominal, Plain, 0.281 X 0.625 X 0.065, ASME B18.21.1, Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated

* Included in assembly. Not available for individual sale.

OVERTRAVEL SENSOR KIT

Item #	Part #	Qty.	Description
-	R000G42OSK	1	Overtravel Sensor Kit
041	*	1	Sensor Slit, 0.5 X 3mm, 120mm Detecting Distance, Stainless Steel
042	*	1	Sensor, Photoelectric, Thrubeam, Flat Type, 0.6m Detection Distance, Stainless Steel Case, Polysulfone Cover
043	*	1	Cable Sub-Assembly, External, Wiring Block To Connector Rod Coupled
044	*	4	Screw, M3 X 0.5 X 8 Hex Socket Head Cap, ISO 4762, ISO 898-1 Class 12.9 Alloy Steel, ISO 4042 A1J Clear Zinc Plated

* Included in assembly. Not available for individual sale.

BOTTOM SIZE DETECTOR KIT

Item #	Part #	Qty.	Description
-	R000G42BSD	1	Bottom Size Detector Kit
045	*	1	Switch, Inductive Proximity, Noncontact, 4mm Max Sensing Range, PNP Single Output, Normally Open, 10VDC TO 30VDC, 200mA, CuZn Metal-Plastic
046	*	1	Cable Sub-Assembly, External, Wiring Block To Size Detector 2

* Included in assembly. Not available for individual sale.

TOP SIZE DETECTOR KIT

Item #	Part #	Qty.	Description
-	R000G42TSD	1	Top Size Detector Kit
047	*	1	Switch, Inductive Proximity, Noncontact, 4mm Max Sensing Range, PNP Single Output, Normally Open, 10VDC TO 30VDC, 200mA, CuZn Metal-Plastic
048	*	1	Cable Sub-Assembly, External, Wiring Block To Size Detector 1

* Included in assembly. Not available for individual sale.

ACTIVATION SENSOR KIT

Item #	Part #	Qty.	Description
-	R000G42ASK	1	Activation Sensor Kit
049	*	1	Switch, Inductive Proximity, Noncontact, 4mm Max Sensing Range, PNP Single Output, Normally Open, 10VDC TO 30VDC, 200mA, CuZn Metal-Plastic
050	*	1	Cable Sub-Assembly, External, Wiring Block To Part Ready Sensor
051	*	1	Spacer, Activation Switch, Rear

* Included in assembly. Not available for individual sale.

RG4200 ELECTRICAL ASSEMBLY (CONTINUED)

CONTROLLER KIT

Item #	Part #	Qty.	Description
-	R000G420CK	1	Controller Kit
052	*	1	Controller, Motion, 1 Axis, 3 Phase, 200 VAC, 5.0KW, MP2600ie, 200MHz 32 Bit Arm 9, Processor, 32MB SDRAM, 512kB SRAM With Battery Backup, 4MB Flash
053	*	4	Screw, #10-32 X 1/2 Pan Head Machine, Type 1 Cross Recessed And Washer, External Tooth-Lock, SEMS, Carbon Steel, ASME B18.6.3, Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated
054	*	4	Washer, 0.203 Nominal, Plain, 0.203 X 0.469 X 0.049, ASME B18.21.1, Low Carbon Steel, ASTM F1941 Fe/Zn 3A Clear Zinc Plated

* Included in assembly. Not available for individual sale.

LED INDICATOR KIT

Item #	Part #	Qty.	Description
-	R000G42LIK	1	LED Indicator Kit
055	*	1	Indicator, 3 Light, Green, Red And Yellow, 10 To 30V DC, Nickel Plated Brass Housing
056	*	1	Cable Sub-Assembly, External, Bulkhead Connector To Led Indicator Light

* Included in assembly. Not available for individual sale.

EMERGENCY STOP KIT

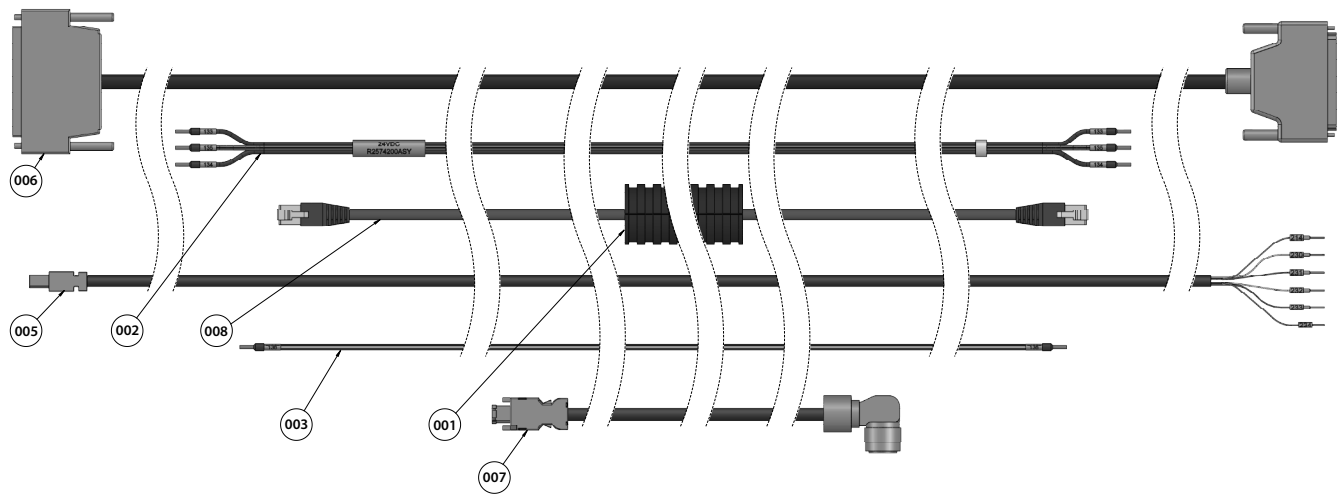
Item #	Part #	Qty.	Description
-	R000G42ESK	1	Emergency Stop Kit
057	*	1	Switch, Push/Pull, 30mm Snap-In Mushroom, Red, LED Illuminated, Normally Closed, 24VDC, Steel Chrome Plated Bezel, Plastic Housing
058	*	1	Legend Plate, E-Stop, Round, 30MM, 70MM O.D., Yellow With Red Characters, Plastic
059	*	1	Contact Block, 30mm Push Button, 1 NO, Clamp Type Terminals, Plastic Housing
060	*	1	Contact Block, 30mm Push Button, 1 NC, Clamp Type Terminals, Plastic Housing
061	*	1	Cable Sub-Assembly, External Bulkhead Connector To Push Button Emergency Stop

* Included in assembly. Not available for individual sale.

INDIVIDUAL ITEMS

Item #	Part #	Qty.	Description
001	NELC000126	1	Grommet, Push-In, 1 ID X 1 3/4 OD X 7/16 Thick, 1 3/8 Panel Hole, Style 1, Buna-N
002	NELC000127	1	Relay, Safety, 24V AC/DC, 3 AMPS, Category 4, 3 NO Safety Contacts, 1 NC Auxiliary Contacts, 2 Inputs, Cross Fault Self Testing, LED Indicator, Fire Resistant Polyamide
003	NELC000128	1	Terminal Block, 50 Pin, I/O, DIN Rail Mounted, Nylon
004	NELC000129	1	Switch, Ethernet, DC18-30V, IP30, DIN- 35 Rail Mount, 5 X RJ45 Ports, Sheet Steel Housing
005	NELC000130	1	Display, Operator Interface, Color LCD HMI, 4.30 Display, 12-24 Vdc
006	NELC000131	1	Connector, Ethernet, 8-Pole, 42Vdc, 1.5 AMP, V3 Female TO Female Receptacle, Front Mount, Polyamide Insulator, CAT5e Cable With PVC Jacket, IP67
007	NELC000132	1	Power Supply, 24V, 24-28VDC Adjustment Range, 2.5 AMP, Aluminum
008	NELC000133	1	Circuit Breaker, 3-Pole, 277/480 VAC, 30 AMP, D Curve, DIN Rail Mounted, Thermoplastic
009	NELC000134	1	Circuit Breaker, 2-Pole, 277/480 VAC, 3 AMP, D Curve, DIN Rail Mounted, Thermoplastic
010	NELC000135	1	Circuit Breaker, 2-Pole, 277/480 VAC, 1 AMP, D Curve, DIN Rail Mounted, Thermoplastic
011	NELC000136	2	Terminal Block, Fuse, 10mm Wide, 600VAC 30 AMP Rating, 35mm DIN Rail Mounted, Polyamide 6.6, Grey
012	NELC000137	4	Terminal Ground, 70mm Wide, 35mm DIN Rail Mount, 2-Terminal, Polyamide 6.6, Green, Yellow
013	NELC000138	3	Terminal Block, 2-Pole Feed Through, 2 Connection, 24 AMP, Polyamide 6.6, Grey
014	NELC000139	1	Fuse, 1.5 AMP, 250 VAC, Fast Acting, Class AGC, Nickel Plated Brass End Caps
015	NELC000140	1	Fuse, 2 AMP, 250 VAC, Fast Acting, Class AGC, Nickel Plated Brass End Caps
016	NELC000141	1	Cable, Ethernet Patch, CAT5e STP, PVC Cable Jacket, RJ45 Male Connectors, 24/8 AWG, 42Vdc, 1.5 AMPS, 12" Length
017	R210G42ASY	1	Cable Sub-Assembly, External, Servo Drive To Motor

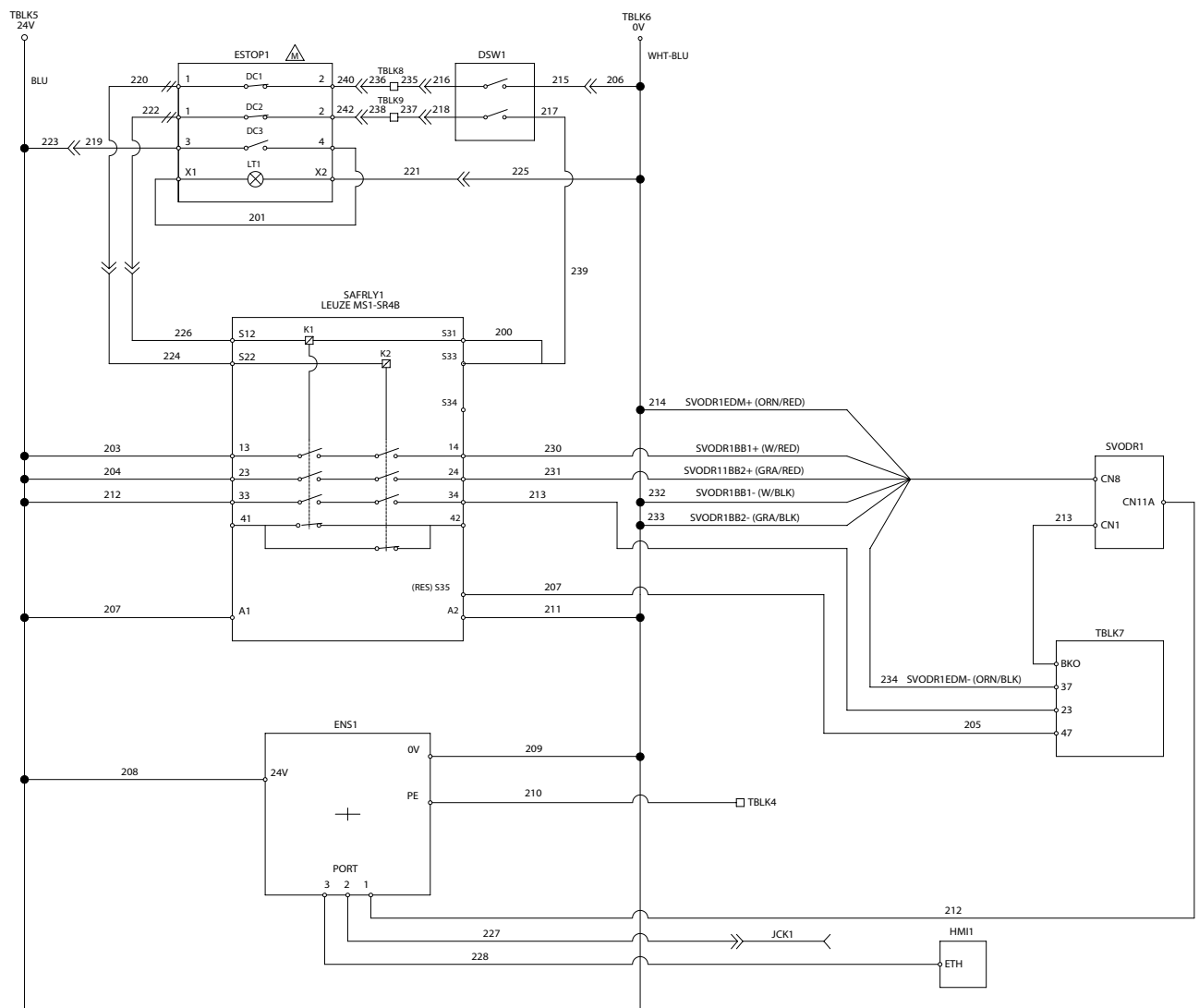
RG4200 CABLE SUB-ASSEMBLY, EXTERNAL, HIGH VOLTAGE TO LOW VOLTAGE



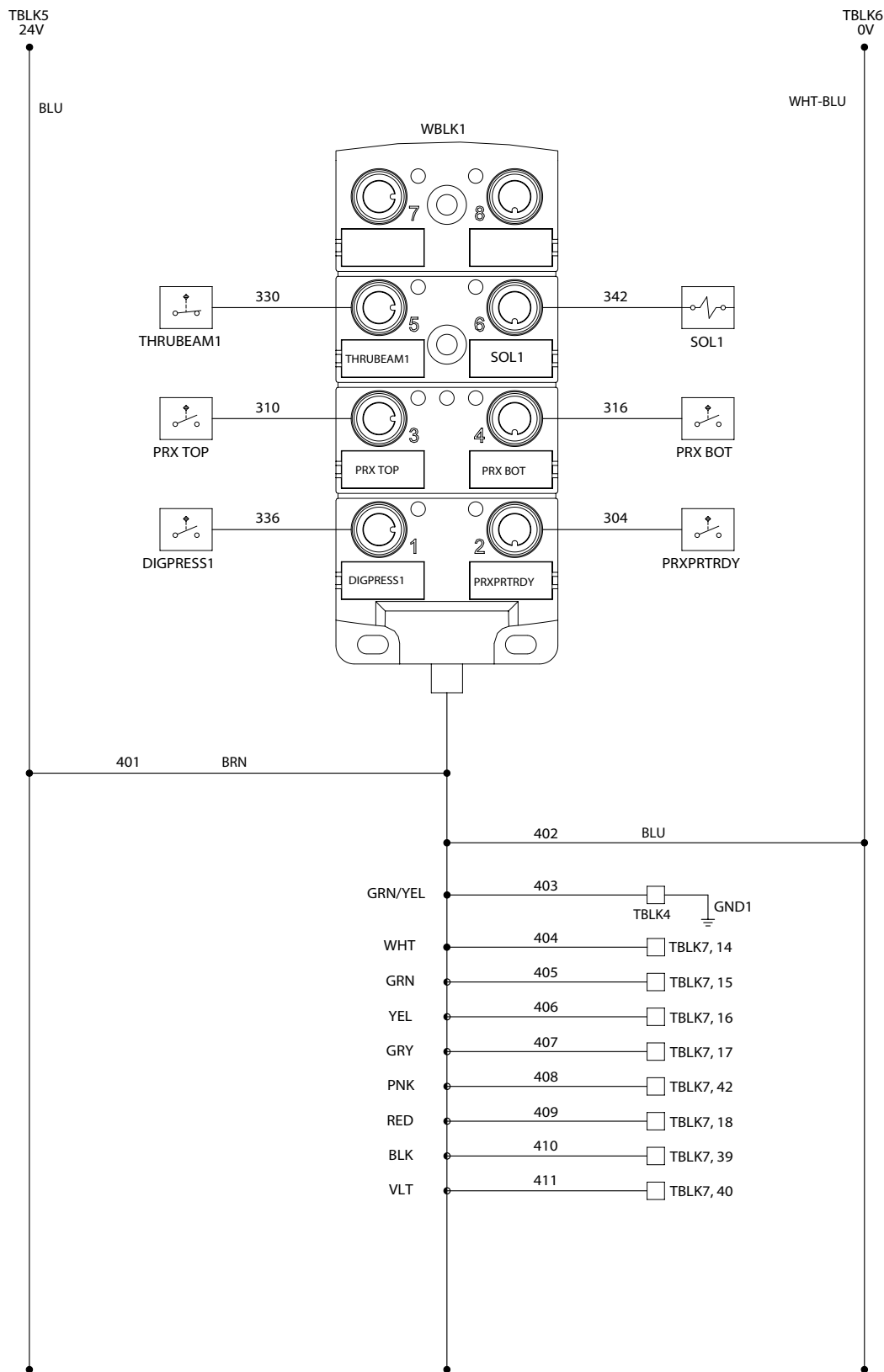
INDIVIDUAL ITEMS

Item #	Part #	Qty.	Description
001	NELC000151	1	Conduit, Split, 1 DIA, Flexible Polyamide 6 Nylon, Black
002	R257G42ASY	1	Cable Sub-Assembly, External, High To Low Voltage, 24VDC Cable Assembly
003	R258G42ASY	1	Cable Sub-Assembly, External, Green /Yellow Ground, High And Low Voltage Cable Assembly
005	R259G42ASY	1	Cable Sub-Assembly, External, Safety Function Device, High And Low Voltage Cable Assembly
006	NELC000152	1	Cable, Controller Connector, Terminal Block Connector, I/O, Single Axis, 200 VAC, MP2600iec Module
007	NELC000153	1	Cable, Type D Straight Connector, Right Angle Connector, 15 TO 70 AMP Current Range, 1.5 TO 7.0 KW, 5 Foot Length
008	NELC000154	1	Cable, Ethernet Patch, CAT5e STP, PUR Cable Jacket, RJ45 Male Connectors, 24/8 AWG, 42Vdc, 1.5 AMPS, 2 Meter Length

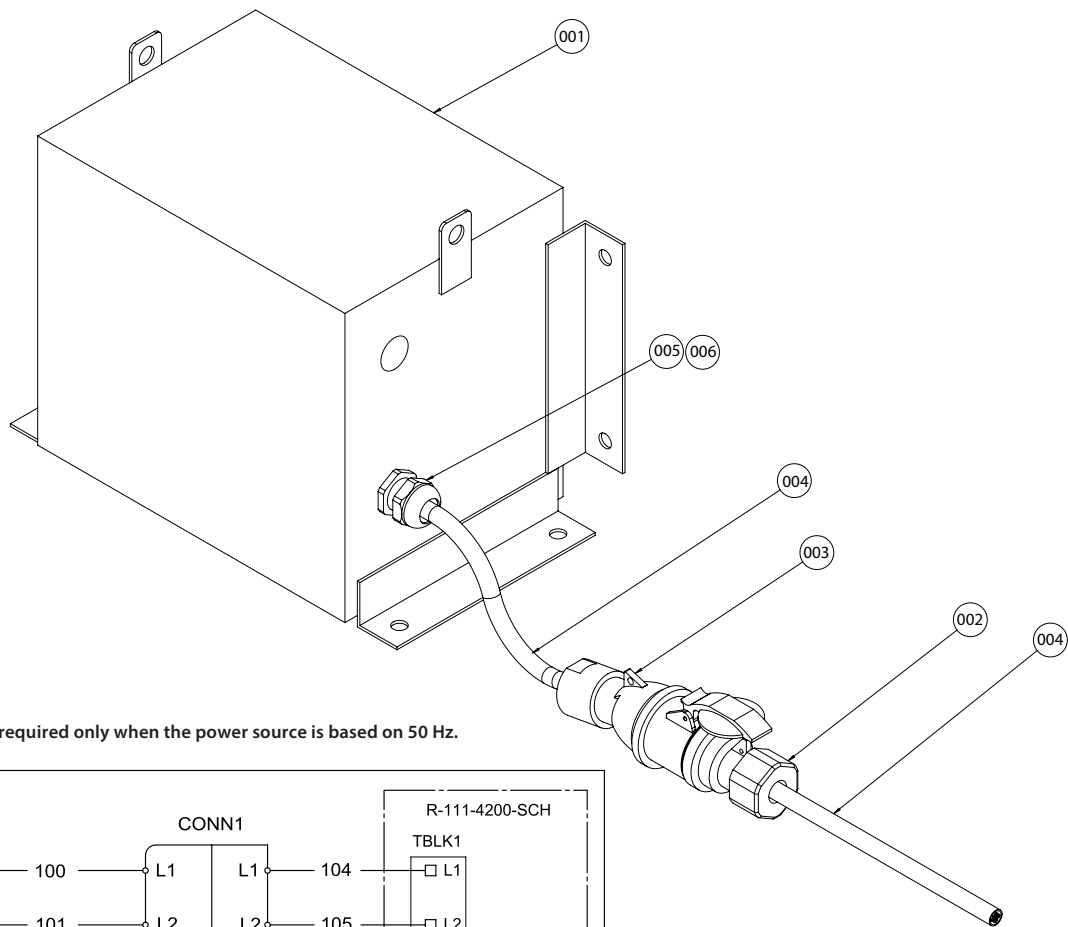
RG4200 ELECTRICAL SCHEMATICS - CONTINUED



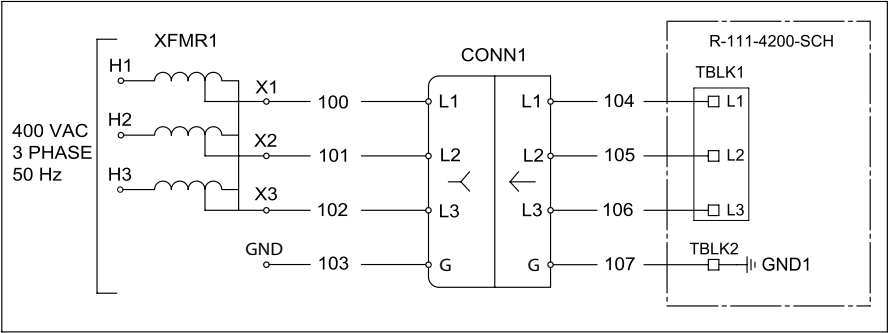
RG4200 ELECTRICAL SCHEMATICS - CONTINUED



RG4200 AUTOTRANSFORMER ASSEMBLY



NOTE: Autotransformer assembly required only when the power source is based on 50 Hz.



Item #	Part #	Qty.	Description
001	NELC000102	1	Autotransformer, Power, 15000 VA Rating, 400 Primary, 230 Secondary, Steel, Gray
002	NELC000105	1	Plug, Male, 3 Pin + E, 11.7mm DIA To 21.5mm DIA Range, IP44, 250VAC, 32AMP, Plastic
003	NELC000104	1	Plug, Female, 3 Pin + E, 11.7mm DIA To 21.5mm DIA Range, IP44, 250VAC, 32AMP, Plastic
004	NELC000122	AS REQ'D	Wire, Multi-Conductor Cable, 600 V, Type AWM 4476, 10 AWG, 4 Conductor, -60 To 180 C, Silicone Insulated
005	NELC000123	1	Connector, Cable Gland, 0.551 DIA To 0.827 DIA Range, PG29 Thread, Polyamide, IP68
006	NELC000124	1	Locknut, 1 NPT, Polyamide, Black

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RG4200 Roll Grooving Tool