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|                                                               |      |
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**This reference covers the following Fadal machine models:**

**VMC 2015HS-II**

**VMC 2015HS**

West Coast Tech. Center..... (844) 323-2526  
*Sales / Service / Parts / Tech. Support / Applications Support*

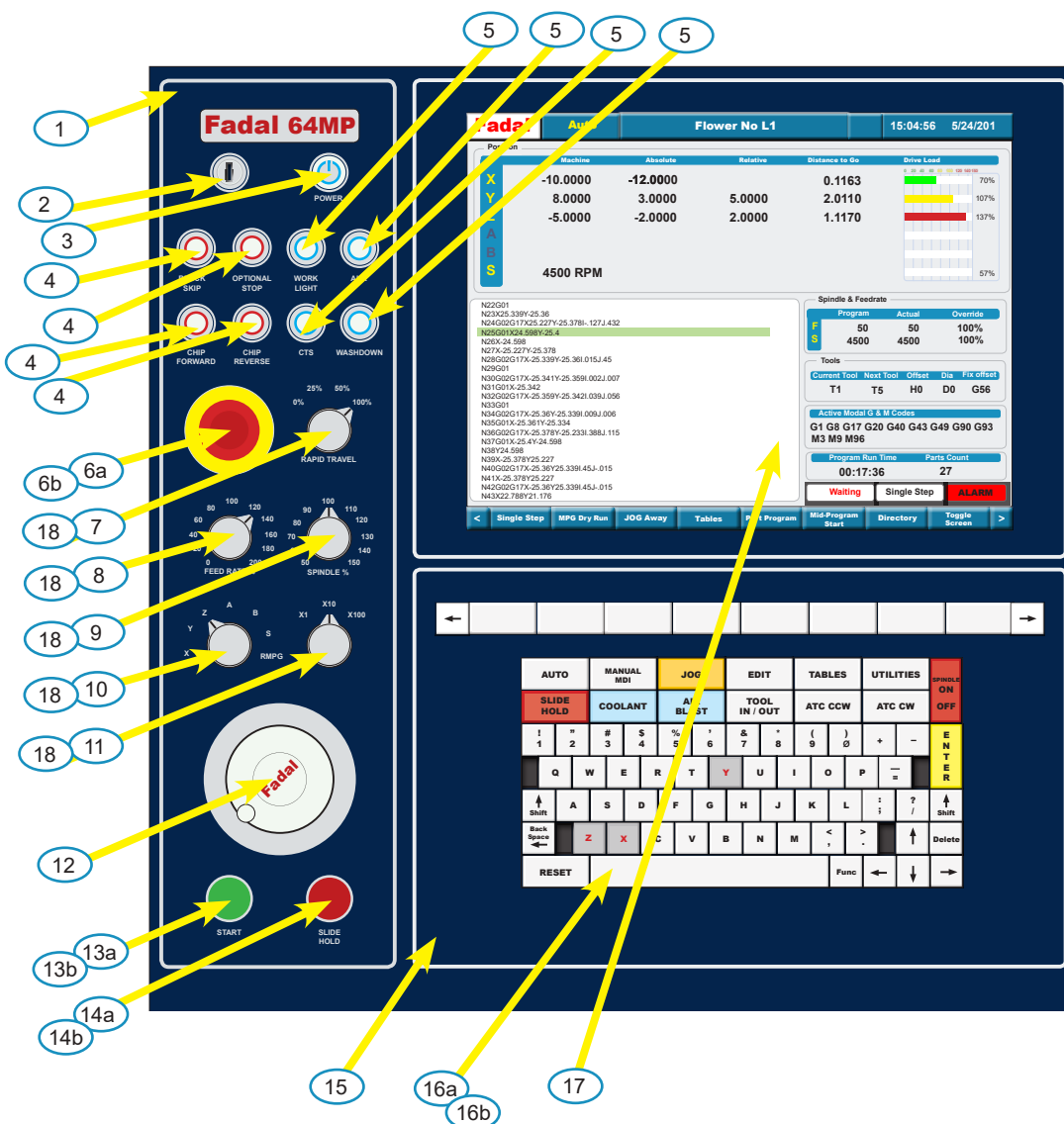
[www.fadal.com](http://www.fadal.com)  
3100 E. Cedar St., Ste-7, Ontario, CA. 91761 USA

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Material is subject to change without notice.

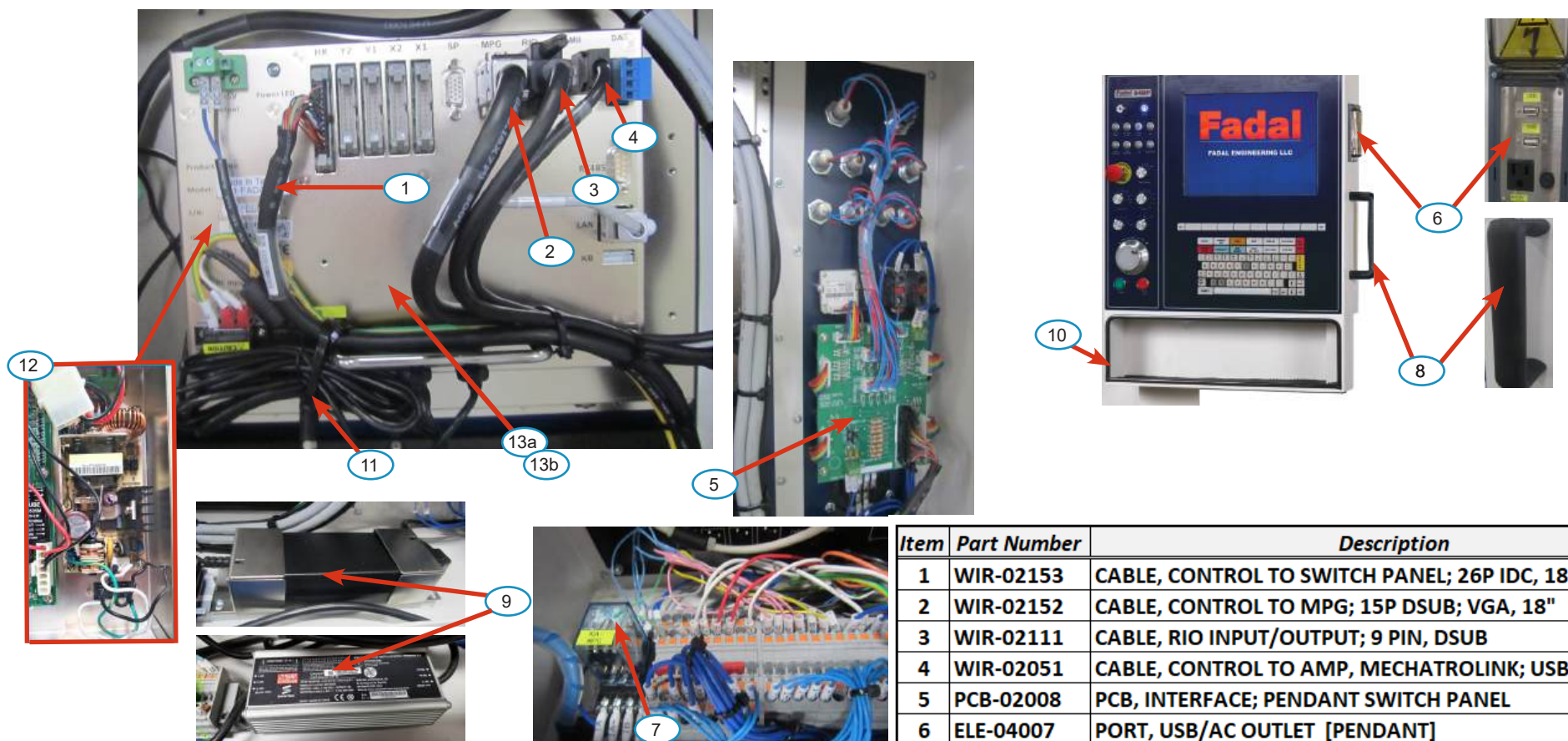
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| Item | Part Number | Description                                                       |
|------|-------------|-------------------------------------------------------------------|
| 1    | CTR-02005   | PANEL; 64MP [NO SWITCHES]                                         |
| 2    | SWT-00014   | KEYLOCK SWITCH; 64MP PENDANT                                      |
| 3    | SWT-00006   | SWITCH; PENDANT POWER ON/OFF                                      |
| 4    | SWT-00015   | PUSH-BUTTON SWITCH; RED LED, SPDT                                 |
| 5    | SWT-00016   | PUSH-BUTTON SWITCH; BLUE LED, SPDT                                |
| 6a   | SWT-00048   | E-STOP KNOB/RELEASE; 64MP [NO SWITCHES]                           |
| 6b   | SWT-00049   | E-STOP SWITCH ASSEMBLY; 64MP [NO KNOB]                            |
| 7    | SWT-00018   | SELECTOR SWITCH; RAPID TRAVEL %, 4 POSITION                       |
| 8    | SWT-00019   | SELECTOR SWITCH; FEEDRATE %, 16 POSITION                          |
| 9    | SWT-00020   | SELECTOR SWITCH; SPINDLE RPM %, 21 POSITION                       |
| 10   | SWT-00021   | SELECTOR SWITCH; AXIS SELECTION (X,Y,Z,A,B,S,RMPG), 7 POSITION    |
| 11   | SWT-00022   | SELECTOR SWITCH; JOG RATE, 3 POSITION                             |
| 12   | MPG-02002   | MPG UNIT; 24 VDC, 64MP, CNC88                                     |
| 13a  | SWT-00023   | PUSH-BUTTON; START, GREEN [NO SWITCH ASSEMBLY]                    |
| 13b  | SWT-00050   | START SWITCH ASSEMBLY; 64MP [NO BUTTON]                           |
| 14a  | SWT-00024   | PUSH-BUTTON; SLIDE HOLD, RED [NO SWITCH ASSEMBLY]                 |
| 14b  | SWT-00051   | SLIDE HOLD SWITCH ASSEMBLY; 64MP [NO BUTTON]                      |
| 15   | CTR-02006   | PANEL; 64MP [KEYBOARD/MONITOR NOT INCLUDED]                       |
| 16a  | KBD-00001   | KEYBOARD ASSEMBLY; 64MP, MILL                                     |
| 16b  | KBD-00003   | KEYBOARD KEY CAPS; 64MP                                           |
| 17   | CTR-02008   | MONITOR, 15", VGA; 64MP [MUST BE SENT IN FOR EVALUATION & REPAIR] |
| 18   | SWT-00037   | KNOB; SELECTOR SWITCHES                                           |

64MP PENDANT - Front Panel

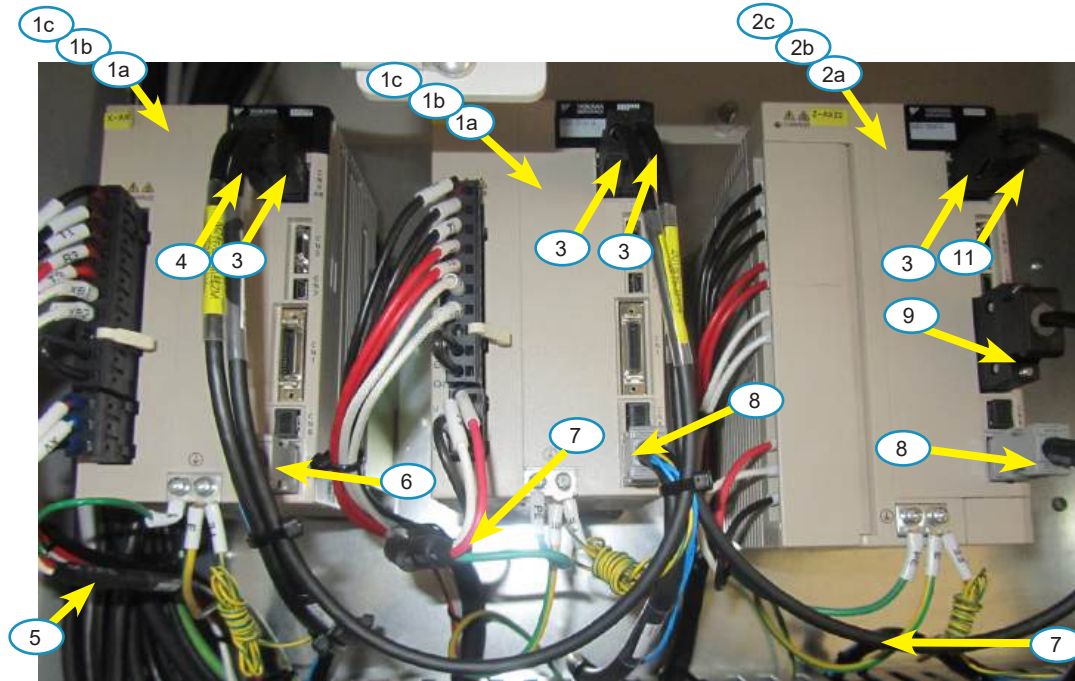


| Item | Part Number | Description                                       |
|------|-------------|---------------------------------------------------|
| 1    | WIR-02153   | CABLE, CONTROL TO SWITCH PANEL; 26P IDC, 18"      |
| 2    | WIR-02152   | CABLE, CONTROL TO MPG; 15P DSUB; VGA, 18"         |
| 3    | WIR-02111   | CABLE, RIO INPUT/OUTPUT; 9 PIN, DSUB              |
| 4    | WIR-02051   | CABLE, CONTROL TO AMP, MECHATROLINK; USB 11'      |
| 5    | PCB-02008   | PCB, INTERFACE; PENDANT SWITCH PANEL              |
| 6    | ELE-04007   | PORT, USB/AC OUTLET [PENDANT]                     |
| 7    | RLY-00046   | RELAY, ICECUBE; 24VDC, OMRON [MPG]                |
| 8    | CTR-02011   | HANDLE; PENDANT                                   |
| 9    | PWR-00002   | POWER SUPPLY; 24VDC                               |
| 10   | SEL-00068   | EDGE PROTECTOR; PENDANT POCKET [PER FT.]          |
| 11   | WIR-02181   | CABLE, CONTROL TO KEYBOARD; 64MP, 5-COND.         |
| 12   | PWR-00014   | POWER SUPPLY, CONTROL; 24VDC TO 5VDC              |
| 13a  | CTR-02000   | CONTROL UNIT/MONITOR; 64MP, 4-AXIS W/ SOFTWARE    |
| 13b  | CTR-02001   | CONTROL UNIT/MONITOR; 64MP, 5-AXIS W/OUT SOFTWARE |

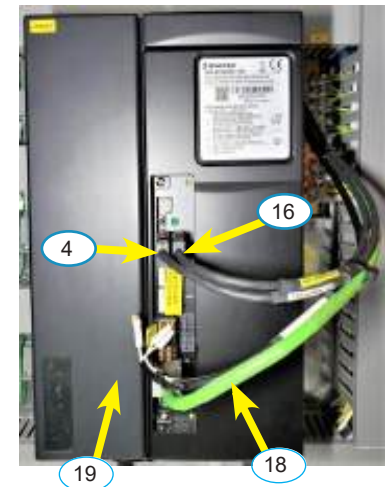
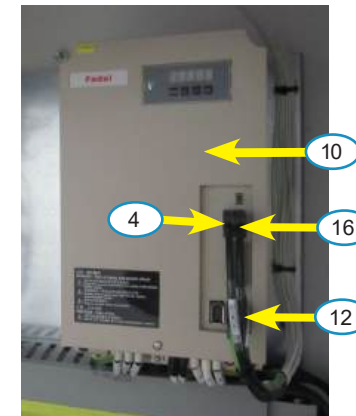
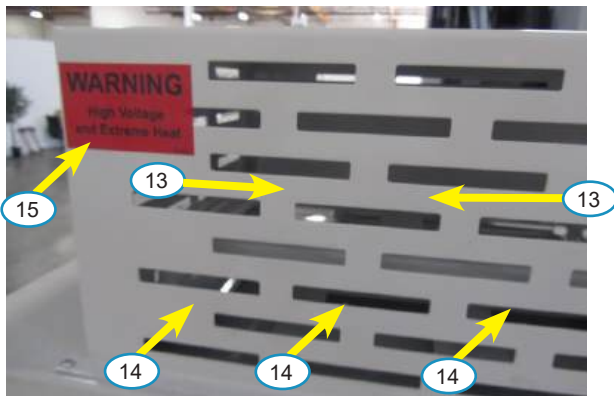
### 64MP PENDANT - FRONT & INTERIOR

| Item | Part Number   | Description                                      |
|------|---------------|--------------------------------------------------|
| 1a   | AMP-02006     | AMPLIFIER, YASKAWA; 1.5 KW, SIG. 5, M2           |
| 1b   | AMP-02020     | AMPLIFIER, YASKAWA; 1.5 KW, SIG. 7, M2           |
| 1c   | AMP-02017     | AMPLIFIER, YASKAWA; 1.5 KW, SIG. 7, M3           |
| 2a   | AMP-02002     | AMPLIFIER, YASKAWA; 2.0 KW, SIG. 5, M2           |
| 2b   | AMP-02004     | AMPLIFIER, YASKAWA; 2.0 KW, SIG. 7, M2           |
| 2c   | AMP-02014     | AMPLIFIER, YASKAWA; 2.0 KW, SIG. 7, M3           |
| 3    | WIR-02050     | CABLE, MECHATROLINK, USB-USB; 18 INCH, AMP-AMP   |
| 4    | WIR-02114     | CABLE, MECHATROLINK, USB-USB; 6 FT, CONTROL-AMP  |
| 5    | WIR-02141     | CABLE, MOTOR, POWER; 10M/90, X AXIS              |
| 6    | WIR-02139     | CABLE, MOTOR, ENCODER; 10M/90, X AXIS            |
| 7    | WIR-02142     | CABLE, MOTOR, POWER; 5M/90, Y/Z AXIS             |
| 8    | WIR-02140     | CABLE, MOTOR, ENCODER; 5M/90, Y/Z AXIS           |
| 9    | WIR-02159     | CABLE, Z AXIS BRAKE; AMP-EMEGENCY STOP           |
| 10   | INV-02029     | SPINDLE DRIVE, FADAL; 10 HP, 220VAC              |
| 11   | WIR-02175     | PULL-UP RESISTOR; MECHATROLINK NETWORK           |
| 12   | WIR-02157     | CABLE, ENCODER; SPINDLE MOTOR                    |
| 13   | INV-02010     | REGEN RESISTOR, SPINDLE; 1500W, 10 OHM,          |
| 14   | INV-02015     | REGEN RESISTOR, AXES; 1000W, 13 OHM,             |
| 15   | LBL-02021     | LABEL; "WARNING", REGEN RESISTORS                |
| 16   | WIR-02051     | CABLE, USB-USB, MECHATROLINK; 11 FT, CONTROL-AMP |
| 17   | INV-02032     | SPINDLE DRIVE, FADAL; 10 HP, 220VAC              |
| 18   | WIR-02150-SYN | CABLE, ENCODER; SPINDLE MOTOR-DRIVE, SYNTEC      |
| 19   | INV-02032-G3  | SPINDLE DRIVE, FADAL; 12K, 15K, 20K *            |

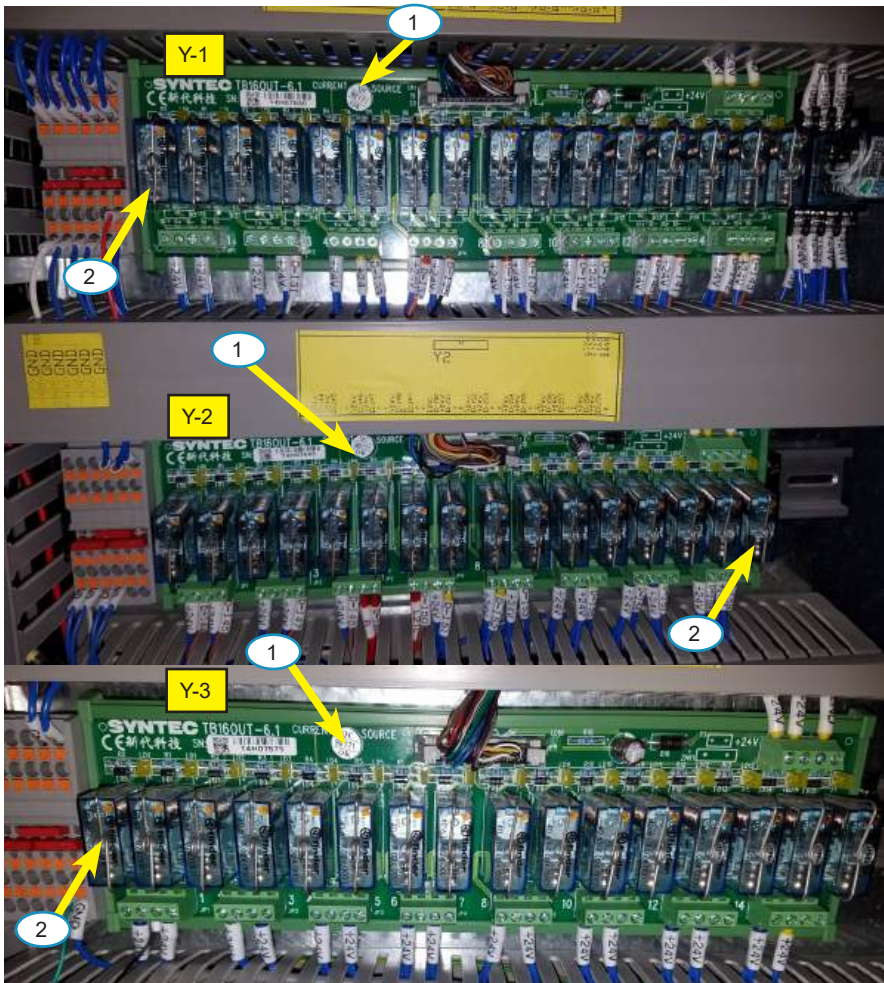
\* Specify RPM



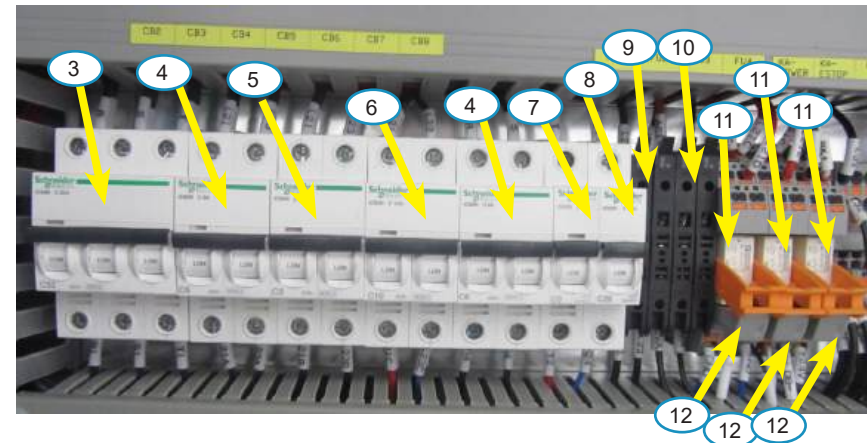
Check Spindle Drive label carefully to ensure appropriate unit replacement.



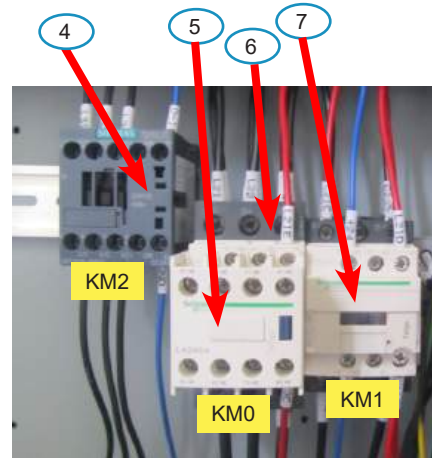
### ELECTRICAL CABINET - AMPS / SPINDLE DRIVE



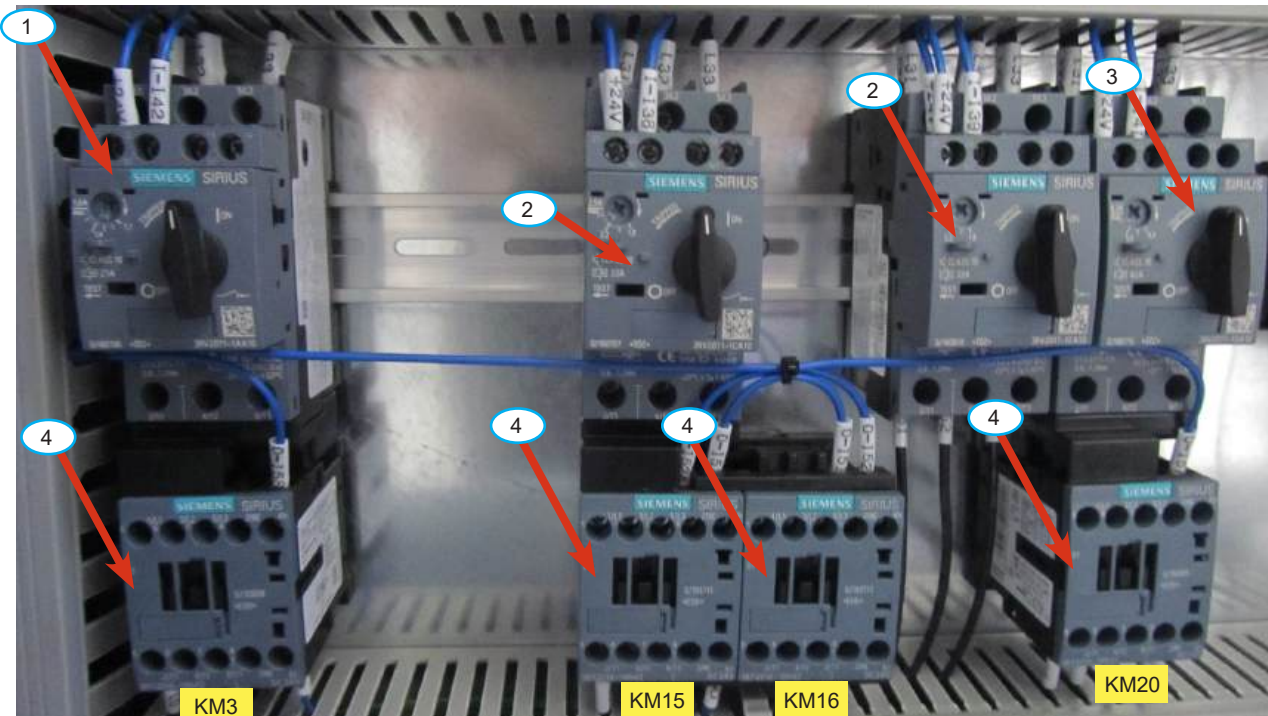
| Item | Part Number | Description                               |
|------|-------------|-------------------------------------------|
| 1    | PCB-02010   | PCB,OUTPUT BOARD;Y1,Y2,Y3                 |
| 2    | RLY-00023   | RELAY,MINI-ICECUBE;FINDER SPST            |
| 3    | CBR-00032   | CIRCUIT BREAKER,3-POLE;400V 32A SCHNEIDER |
| 4    | CBR-00033   | CIRCUIT BREAKER,2-POLE;400V 6A SCHNEIDER  |
| 5    | CBR-00034   | CIRCUIT BREAKER,2-POLE;400V 3A SCHNEIDER  |
| 6    | CBR-00035   | CIRCUIT BREAKER,2-POLE;400V 10A SCHNEIDER |
| 7    | CBR-00036   | CIRCUIT BREAKER,1-POLE;400V 6A SCHNEIDER  |
| 8    | CBR-00037   | CIRCUIT BREAKER,1-POLE;400V 20A SCHNEIDER |
| 9    | CBR-00019   | FUSE,6X30MM 7A AGC-7 [FU-1, FU-2]         |
| 10   | CBR-00020   | FUSE,6X30MM 2A AGC-2 [FU-3, FU-4]         |
| 11   | RLY-00040   | RELAY,ESTOP;24VDC 2PDT 8A                 |
| 12   | RLY-00040-S | RELAY SOCKET BASE                         |



### ELECTRICAL CABINET - OUTPUTS

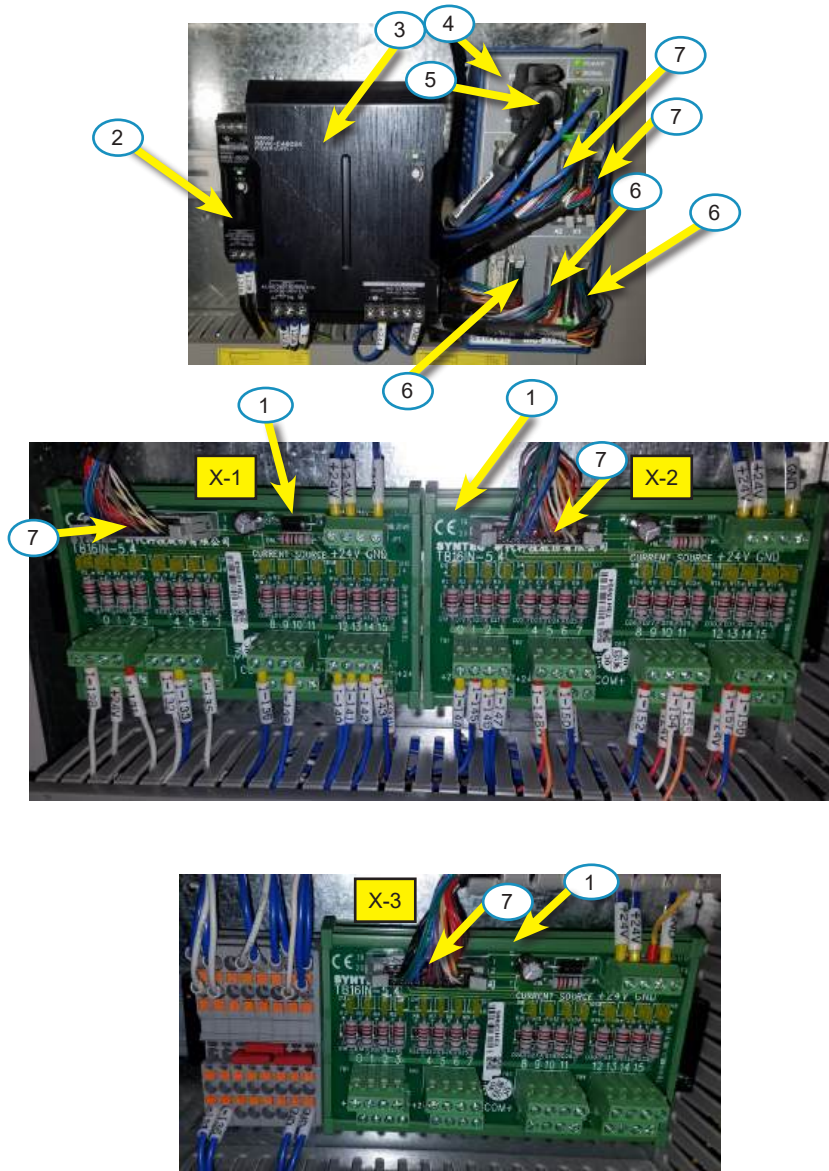


| Item | Part Number | Description                      |
|------|-------------|----------------------------------|
| 1    | RLY-00034   | OVERLOAD,CONTACTOR;1.1-1.6A;SMNS |
| 2    | RLY-00038   | OVERLOAD,CONTACTOR;1.8-2.5A SMNS |
| 3    | RLY-00039   | OVERLOAD,CONTACTOR;4.5-6.3A SMNS |
| 4    | RLY-00030   | CONTACTOR,SIEMENS;1BB42          |
| 5    | RLY-00024   | CONTACTOR,3-POLE;220V COIL       |
| 6    | RLY-00033   | CONTACT BLOCK;[FITS RLY-00024]   |
| 7    | RLY-00037   | CONTACTOR, 12A;SCHNEIDER         |



|                             |                |               |
|-----------------------------|----------------|---------------|
| KM3                         | Coolant Pump:  | Items 1, 4    |
| KM4, KM5                    | Conveyor:      | Items 1, 4, 4 |
| KM15,KM16                   | DATC Turret:   | Items 2, 4, 4 |
| KM21                        | DATC Arm:      | Item 2        |
| KM20                        | Washdown Pump: | Items 3, 4    |
| KM2                         | Chiller unit:  | Item 4        |
| KM0 E-Stop Power Interrupt: |                | Items 5, 6    |
| KM1 E-Stop Servo Interrupt: |                | Item 7        |

### ELECTRICAL CABINET - CONTACTORS



| Item | Part Number | Description                                   |
|------|-------------|-----------------------------------------------|
| 1    | PCB-02009   | PCB,INPUT INTERFACE;TB16IN;X1,X2,X3 SERIES II |
| 2    | PWR-02012   | POWER SUPPLY,OMRON; 5VDC                      |
| 3    | PWR-02011   | POWER SUPPLY,OMRON; 24VDC                     |
| 4    | CTR-02005   | CONTROLLER,I/O SYNTEC RIO                     |
| 5    | WIR-02111   | CABLE,RIO INPUT/OUTPUT 9-PIN DSUB 5.5M        |
| 6    | WIR-02112   | CABLE,RIO OUTPUT;20P IDC 1M Y1-Y4             |
| 7    | WIR-02113   | CABLE,RIO INPUT;20P IDC 1M X1-X4              |

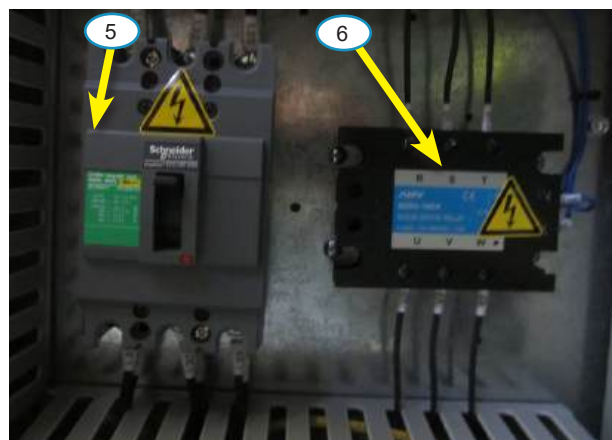
### ELECTRICAL CABINET - INPUTS / POWER SUPPLY



8



3



5

6



4



9

| Item | Part Number | Description                                |
|------|-------------|--------------------------------------------|
| 1    | ELE-04003   | PORT,ETHERNET; RJ45                        |
| 2    | ELE-04008   | BATTERY BOX,3 D-CELL;ENCODER BACKUP        |
| 3    | TRN-00004   | TRANSFORMER;230V TO 120V;2015HS-II         |
| 4    | SWT-00012   | MAIN DISCONNECT;2015HS-II                  |
| 5    | CBR-00031   | CIRCUIT BREAKER;DATC;2015HS-II             |
| 6    | RLY-00038   | SS RELAY,3PH 230VAC 10A                    |
| 7    | WIR-02035   | TERMINAL BLOCK,DIN RAIL;3-POLE             |
| 8    | FAN-02007   | CABINET COOLER;HEAT EXCHANGER;2015HS-II    |
| 9    | ELE-04009   | STACKLITE,RYG 24V 10W                      |
| 10   | DOR-02017   | TWISTKNOB,MAIN POWER DISCONNECT <b>NLA</b> |
| 11   | DOR-02043   | CABINET LATCH, DOOR;HEXKEY                 |

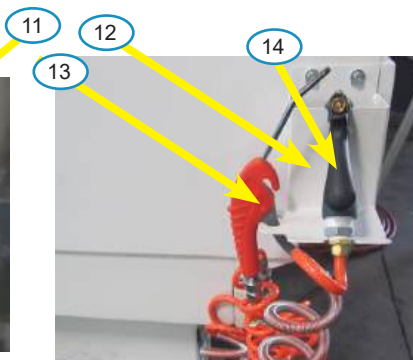


11

### ELECTRICAL CABINET - MISC



| Item | Part Number | Description                                |
|------|-------------|--------------------------------------------|
| 1    | HDW-02056   | AIR TANK,RESERVE                           |
| 2    | LBL-02001   | LABEL,"DANGER"-,"DO NOT OPERATE" 9 X 3     |
| 3    | LBL-02005   | LABEL,ELECT BOX;"ELECTRIC SYMBOL" 2.5 INCH |
| 4    | LBL-02006   | LABEL,ELECT BOX;"ELECTRIC SYMBOL" 3 INCH   |
| 5    | LBL-02008   | LABEL,"HEAT EXCHANGER" INSTRUCTIONS        |
| 6    | LBL-02007   | LABEL,BACK PANEL;"220 VOLTS" 10 X 2        |
| 7    | LBL-02003   | LABEL,SIDE PANEL;"WARNING" 7 X 3           |
| 8    | ELE-04002   | HABOR CHILLER UNIT                         |
| 9    | DOR-02009   | HANDLE,FRONT DOOR;2015HS-II                |
| 10   | DOR-02011   | LATCH,FRONT DOOR;2015HS-II                 |
| 11   | DOR-02045   | PAD,DOOR STOP;2015HS-II                    |
| 12   | PLM-02122   | BRACKET,AIR HOSE;2015HS-II                 |
| 13   | PLM-02117   | AIR GUN,COILED HOSE 1/4                    |
| 14   | PLM-02118   | NOZZLE,COILED HOSE;WASHDOWN                |
| 15   | PLM-02197   | FITTING; 12MM QD X 3/8 MIPT, ELBOW         |
| 16   | PLM-02195   | TUBING; 12MM                               |
| 17   | PLM-02198   | FITTING; 8MM QD X 1/4 MIPT, ELBOW          |
| 18   | PLM-02105   | BALL VALVE; 1/4 FIPT X 1/4 MIPT            |
| 19   | PLM-02196   | FITTING; 12MM QD X 3/8 MIPT, STRAIGHT      |
| 20   | VLV-02040   | CHECK VALVE; 3/8 FIPT                      |
| 21   | PLM-02194   | FITTING; 3/8 MIPT X 3/8 MIPT, ELBOW        |
| 22   | PLM-02200   | COILED HOSE; OPERATOR WASHDOWN             |
| 23   | PLM-02201   | SPRAY NOZZLE; OPERATOR WASHDOWN            |

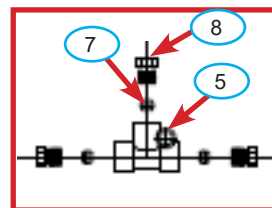
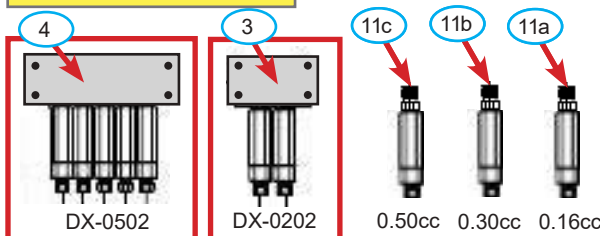


### CHILLER ENCLOSURE - MISC

| Item | Part Number  | Description                                                 |
|------|--------------|-------------------------------------------------------------|
| 1    | LUB-02031    | WAYLUBE PUMP                                                |
| 2    | LUB-02030    | PRESSURE GAUGE; 0-500 PSI                                   |
| 3    | LUB-02034-2  | MANIFOLD; DX 2-PORT [NO INJECTORS]                          |
| 4    | LUB-02034-5  | MANIFOLD; DX 5-PORT [NO INJECTORS]                          |
| 5    | LUB-02047    | COMPRESSION TEE; 6MM                                        |
| 6    | LUB-02048    | OIL LINE, COPPER; 6MM X 6 FT                                |
| 7    | LUB-02049    | FERRULE; 6MM                                                |
| 8    | LUB-02050    | COMPRESSION NUT; 6MM                                        |
| 9    | LUB-02054    | FERRULE; 4MM (5/32)                                         |
| 10   | LUB-02055    | COMPRESSION NUT; 4MM (5/32)                                 |
| 11a  | LUB-02035-16 | INJECTOR, DX SERIES; 0.16 CC                                |
| 11b  | LUB-02035-30 | INJECTOR, DX SERIES; 0.30 CC                                |
| 11c  | LUB-02035-50 | INJECTOR, DX SERIES; 0.50 CC                                |
| 12   | LUB-02033-2  | INJECTOR/MANIFOLD ASSEMBLY, DT SERIES; 2-PORT,6MM [DT-0200] |
| 13   | LUB-02033-5  | INJECTOR/MANIFOLD ASSEMBLY, DT SERIES; 5-PORT,6MM [DT-0500] |

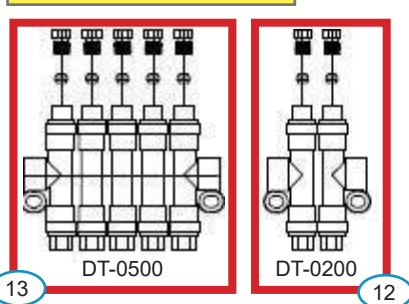


#### DX Series - 0.16 Per Port



2015HS-II DX Series Configuration  
DX-0502 (3), DX-0202 (3)

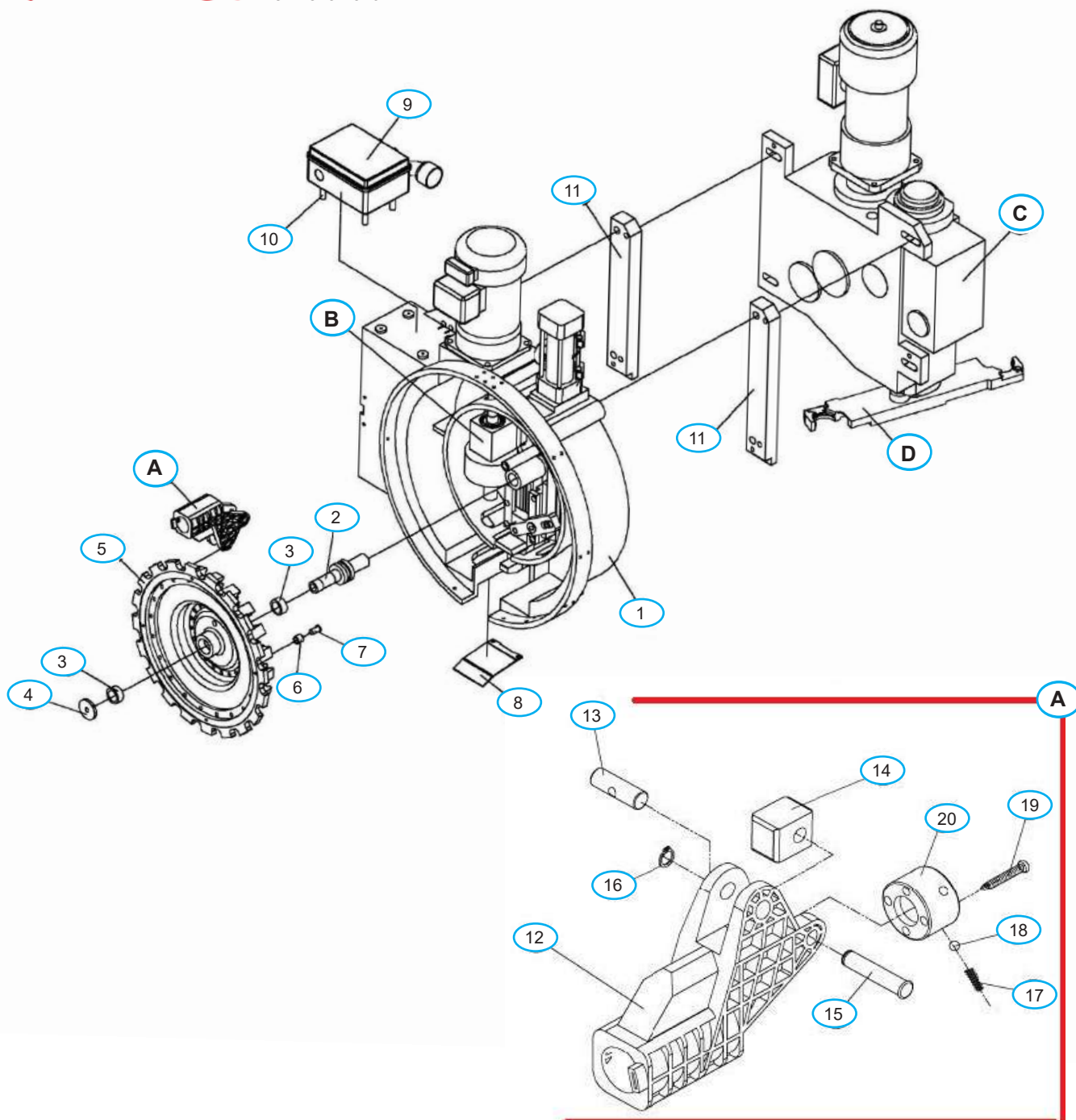
#### DT Series - 0.16 Per Port



2015HS-II DT Series Configuration  
DT-0500 (3), DT-0200 (2)

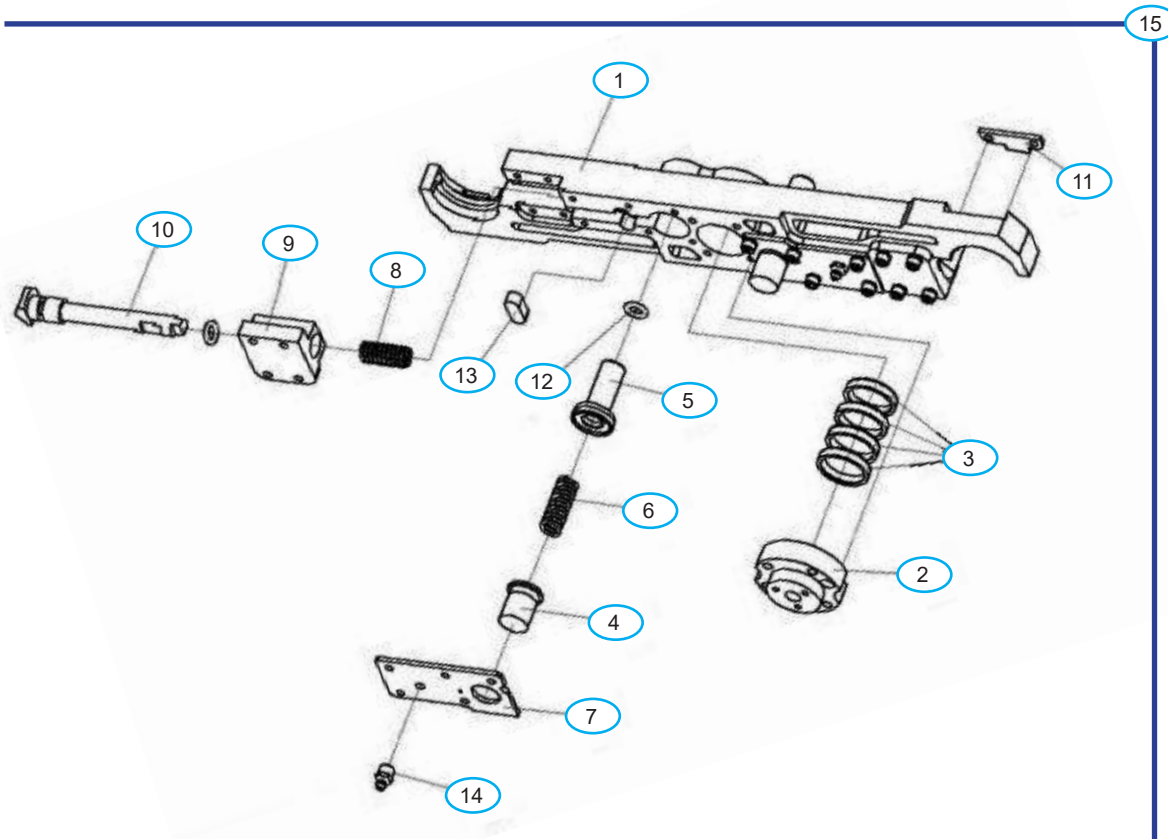
**DT Series'S**  
components are not  
interchangeable with  
**DX Series'Des**  
components

### LUBRICATION SYSTEM



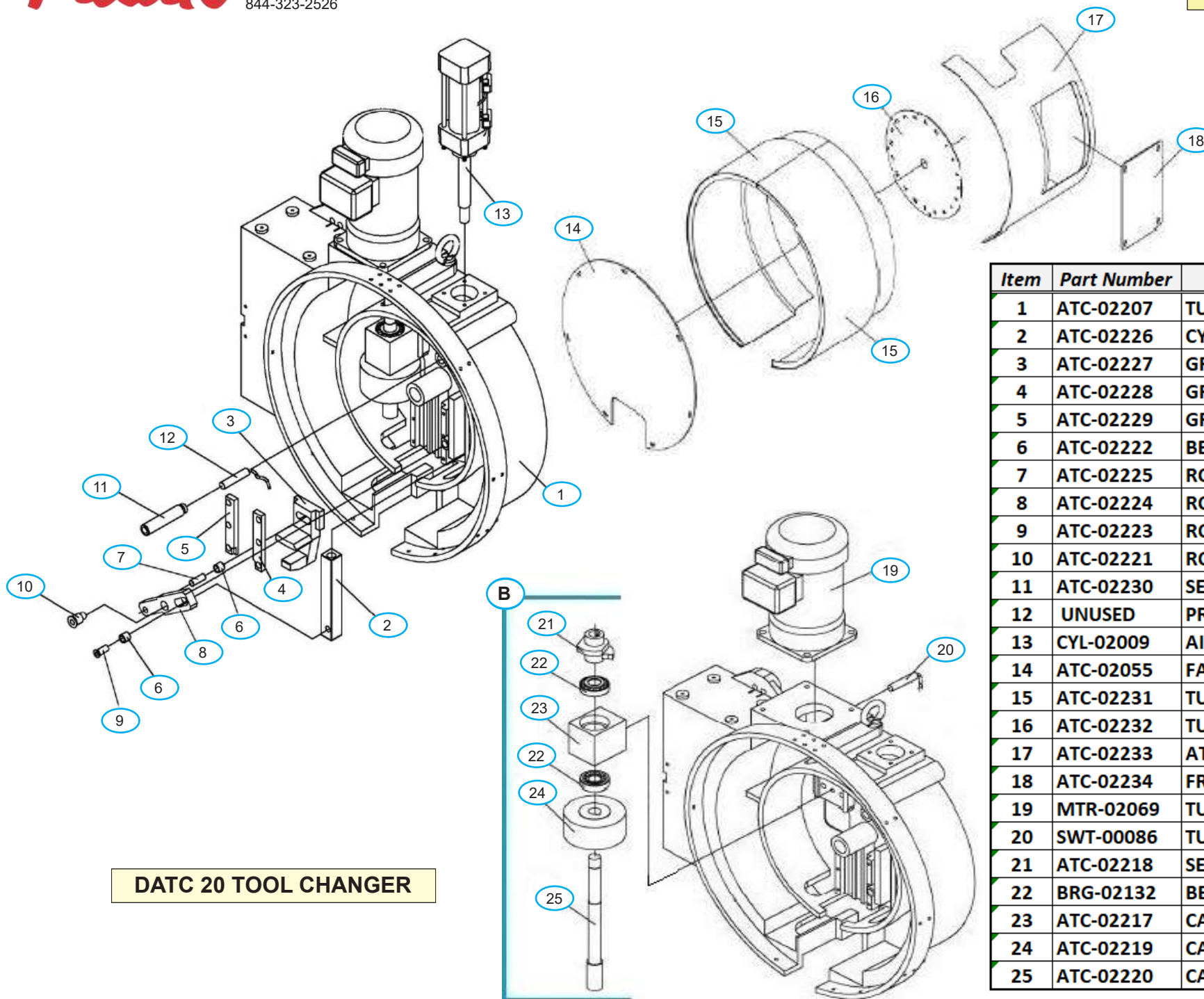
| Item | Part Number | Description                         |
|------|-------------|-------------------------------------|
| 1    | ATC-02207   | TURRET HOUSING                      |
| 2    | ATC-02053   | TURRET SPINDLE SHAFT                |
| 3    | BRG-02130   | NEEDLE BEARING                      |
| 4    | ATC-02208   | PRESS COVER                         |
| 5    | ATC-02209   | TURRET [20 TOOL]                    |
| 6    | BRG-02131   | BEARING SLEEVE, ROLLER              |
| 7    | ATC-02210   | ROLLER PIN                          |
| 8    | ATC-02211   | SHEET METAL COVER PLATE             |
| 9    | ELE-04035   | ELECTRICAL BOX                      |
| 10   | ATC-02213   | MOUNTING SPACER                     |
| 11   | ATC-02212   | SPACER PLATE                        |
| 12   | ATC-02047   | BUCKET; 30 TAPER                    |
| 13   | ATC-02214   | PIVOT SHAFT; UP/DOWN                |
| 14   | ATC-02052   | PIVOT BLOCK; UP/DOWN                |
| 15   | ATC-02048   | PIVOT SHAFT; MAIN                   |
| 16   | HDW-02080   | RETAINING RING; M10 [SNAP RING]     |
| 17   | ATC-02049   | SPRING                              |
| 18   | ATC-02050   | BALL, STEEL; M6                     |
| 19   | HDW-02124   | WOOD SCREW; PAN HEAD                |
| 20   | ATC-02051   | TOOL RETAINER; BT 30                |
| A    | ATC-02215   | BUCKET ASSEMBLY                     |
| B    | ATC-02216   | INDEXING CAM ASSEMBLY [SEE PG. 13]  |
| C    | ATC-02056   | GEAR BOX [SEE PG. 14]               |
| D    | ATC-02173   | ARM ASSY, DATC20/BT30 [SEE PG. 12 ] |

### DATC 20 TOOL CHANGER



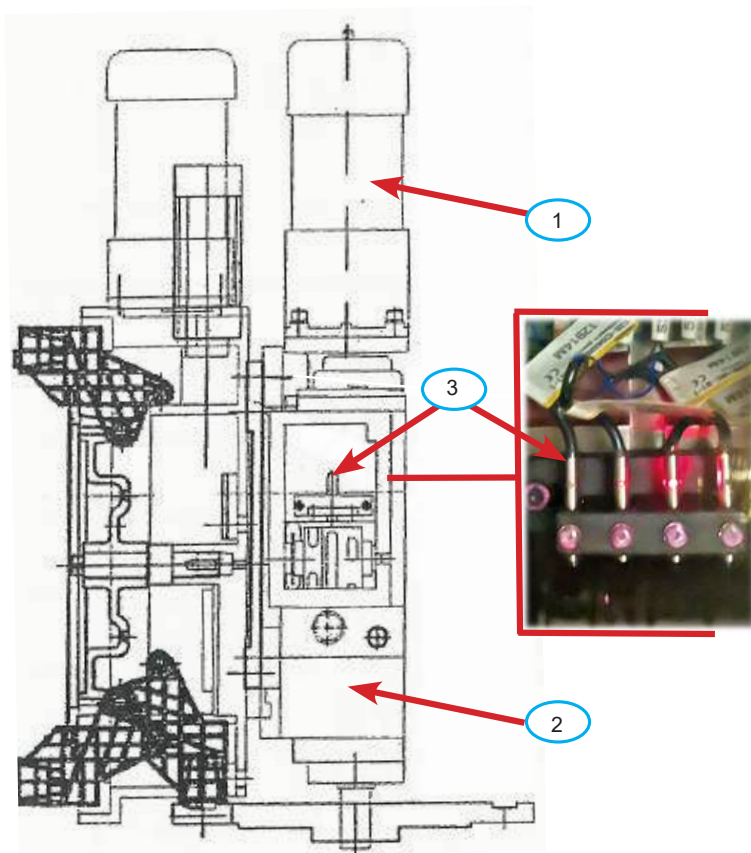
| Item | Part Number | Description                       |
|------|-------------|-----------------------------------|
| 1    | ATC-02046   | ARM CASTING, DATC20/BT30          |
| 2    | ATC-02044   | TAPERLOCK COVER, DATC20/BT30      |
| 3    | ATC-02045   | TAPERLOCK, ARM SHAFT; DATC20/BT30 |
| 4    | ATC-02043   | COVER, PLUNGER PIN; DATC20/BT30   |
| 5    | ATC-02041   | PLUNGER PIN, DATC20/BT30          |
| 6    | ATC-02042   | SPRING, PLUNGER PIN; DATC20/BT30  |
| 7    | ATC-02037   | COVER PLATE, ARM; DATC20/BT30     |
| 8    | ATC-02038   | SPRING, LATCH ROD; DATC20/BT30    |
| 9    | ATC-02175   | LATCH ROD HOUSING                 |
| 10   | ATC-02035   | LATCH ROD, DATC20/BT30            |
| 11   | ATC-02040   | KEY, TOOLHOLDER-BT30; DATC20      |
| 12   | SEL-00147   | OIL SEAL                          |
| 13   | HDW-02123   | KEY; 10X10X25                     |
| 14   | HDW-02053   | ZERK FITTING                      |
| 15   | ATC-02173   | ARM ASSY, DATC20/BT30             |

### DATC20 TOOL CHANGER ARM

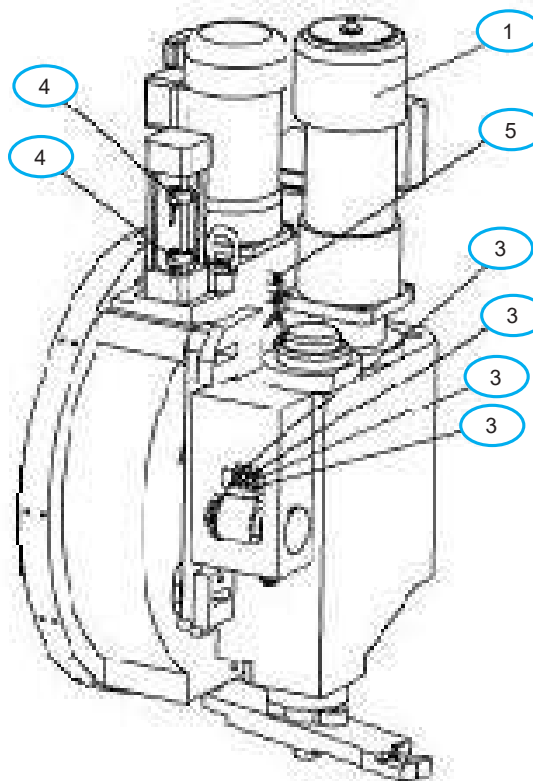


| Item | Part Number | Description                      |
|------|-------------|----------------------------------|
| 1    | ATC-02207   | TURRET HOUSING                   |
| 2    | ATC-02226   | CYLINDER SLIDING SHAFT EXTENSION |
| 3    | ATC-02227   | GRIPPER; BUCKET UP/DOWN PIVOT    |
| 4    | ATC-02228   | GRIPPER GUIDE PLATE [LFT SIDE]   |
| 5    | ATC-02229   | GRIPPER GUIDE PLATE [RT SIDE]    |
| 6    | ATC-02222   | BEARING SLEEVE [ROLLER]          |
| 7    | ATC-02225   | ROLLER PIN                       |
| 8    | ATC-02224   | ROCKER ARM                       |
| 9    | ATC-02223   | ROLLER SUPPORT                   |
| 10   | ATC-02221   | ROCKER ARM PIVOT SLEEVE          |
| 11   | ATC-02230   | SENSOR SUPPORT TUBE              |
| 12   | UNUSED      | PROXIMITY SWITCH                 |
| 13   | CYL-02009   | AIR CYLINDER; BUCKET UP/DOWN     |
| 14   | ATC-02055   | FACE COVER                       |
| 15   | ATC-02231   | TURRET SHROUD                    |
| 16   | ATC-02232   | TURRET POSITION NUMBER PLATE     |
| 17   | ATC-02233   | ATC FRONT COVER                  |
| 18   | ATC-02234   | FRONT COVER PLATE [CLEAR]        |
| 19   | MTR-02069   | TURRET MOTOR; 1/4 HP W/ BREAK    |
| 20   | SWT-00086   | TURRET COUNT SENSOR              |
| 21   | ATC-02218   | SENSOR CONFIRMATION SPOOL        |
| 22   | BRG-02132   | BEARING; CAM                     |
| 23   | ATC-02217   | CAM SEAT                         |
| 24   | ATC-02219   | CAM                              |
| 25   | ATC-02220   | CAM SHAFT                        |

| Item | Part Number | Description                              |
|------|-------------|------------------------------------------|
| 1    | MTR-02068   | ARM MOTOR, 1/4 HP W/ BRAKE               |
| 2    | ATC-02056   | GEARBOX                                  |
| 3    | SWT-00025   | SENSOR; PROXIMITY SWITCH, ARM ROTATION   |
| 4    | SWT-00087   | SENSOR; PROXIMITY SWITCH, BUCKET UP/DOWN |
| 5    | SWT-00086   | SENSOR; PROXIMITY SWITCH, TURRET COUNT   |

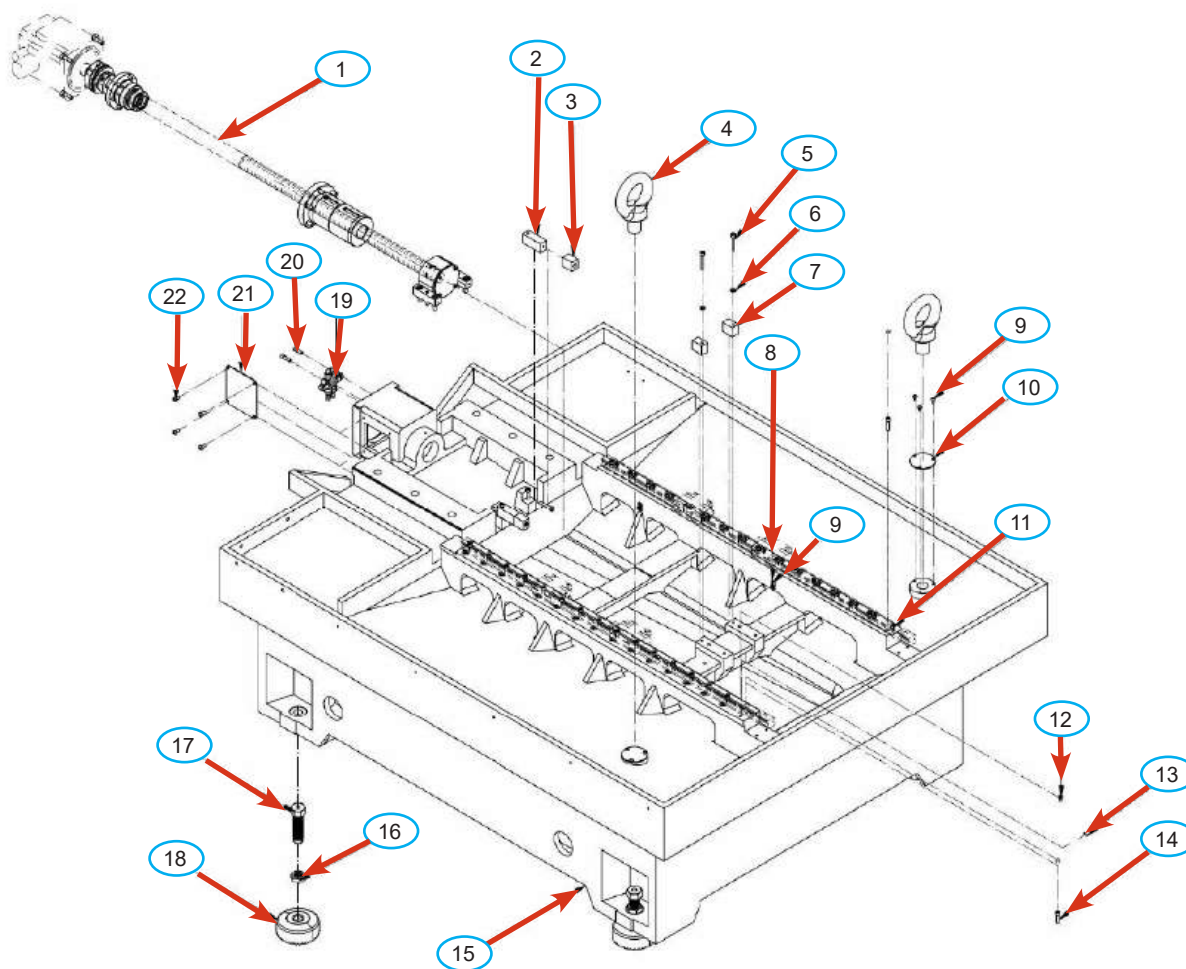


Gearbox Assembly

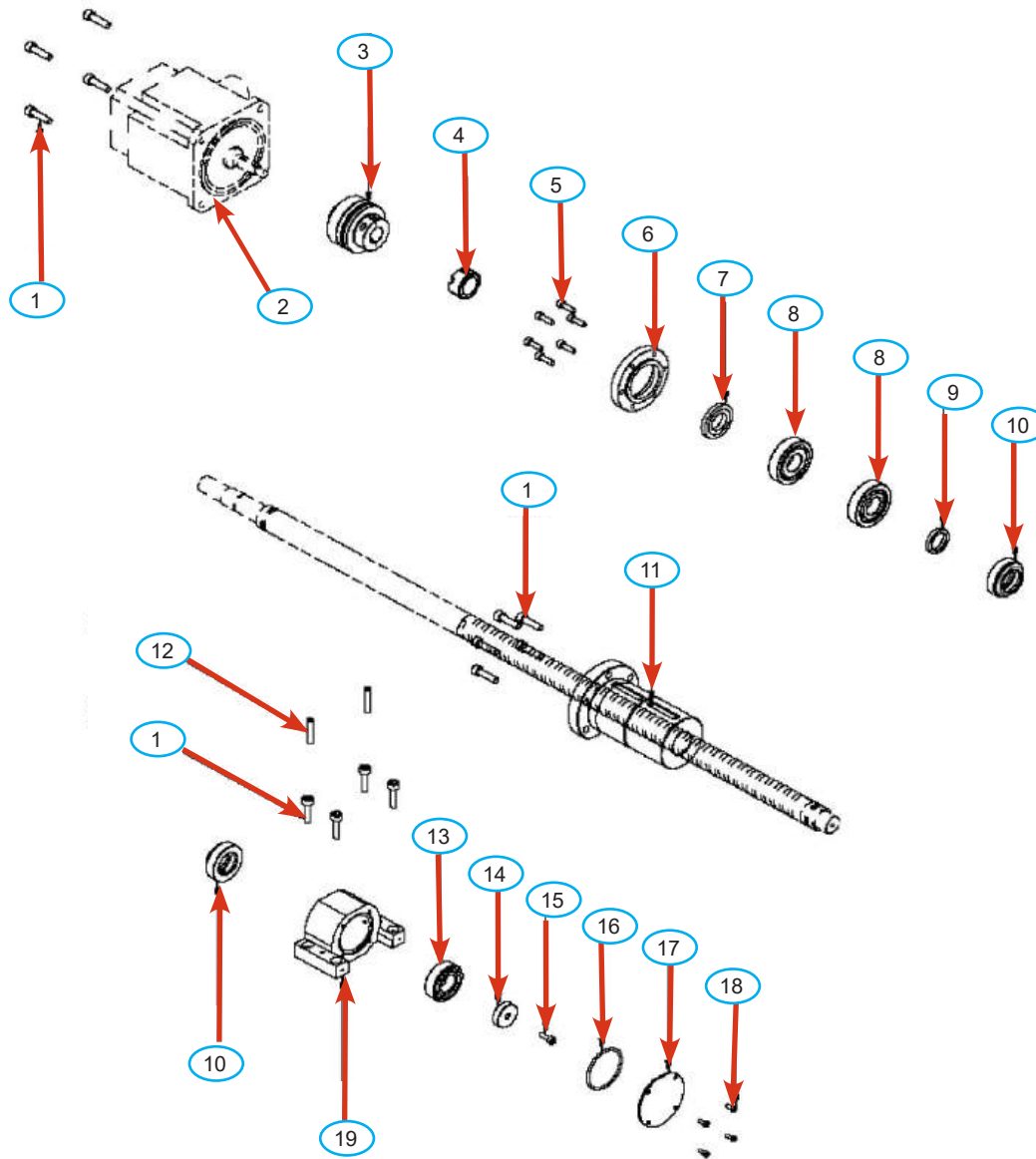


DATC 20 TOOL CHANGER

| Item | Part Number | Description                         |
|------|-------------|-------------------------------------|
| 1    | SEE PG. 14  | BALLSCREW ASSEMBLY,Y-AXIS;2015HS-II |
| 2    | BLS-02068   | HARDSTOP EXTENSION;Y-REAR;2015HS    |
| 3    | BLS-02069   | HARDSTOP PAD,Y-REAR;2015HS-II       |
| 4    | HDW-02075   | EYEHOOK,M30;CRANELIFT               |
| 5    | SCR-00188   | SCREW,M6-1.0 X 40MM SHCS            |
| 6    | SCR-00100   | FLATWASHER,M6                       |
| 7    | BLS-02070   | HARDSTOP PAD,Y-FRONT;2015HS-II      |
| 8    |             |                                     |
| 9    | SCR-00152   | SCREW,M5 X 1.0 X 10MM;BUTTONHEAD    |
| 10   | CVR-02075   | COVERPLATE,EYEHOOK;2015HS-II        |
| 11   | BRG-02057   | ROLLER GUIDEWAY;Y-AXIS;2015HS-II    |
| 12   | SCR-00190   | SCREW,M6-1.0 X 12MM FLATHEAD        |
| 13   | BRG-02058   | NEEDLE BEARING                      |
| 14   | SCR-00154   | SCREW,M6-1.0 X 25MM SHCS            |
| 15   | CST-00021   | BASE CASTING,2015HS-II              |
| 16   | HDW-02064   | JAMNUT,LEVELING SCREW;2015HS-II     |
| 17   | HDW-02076   | LEVELING SCREW,2015HS-II            |
| 18   | HDW-02065   | FOOTPAD,LEVELING SCREW;2015HS-II    |
| 19   | LUB-02046   | WAYLUBE INJECTOR MANIFOLDS,2-PORT   |
| 20   | SCR-00099   | SCREW,M6-1.0 X 20L;SHCS             |
| 21   | CVR-02076   | COVERPLATE,X,Z BALLSCREW            |
| 22   | SCR-00157   | SCREW,M6-1.0 X 12L;BUTTONHEAD       |

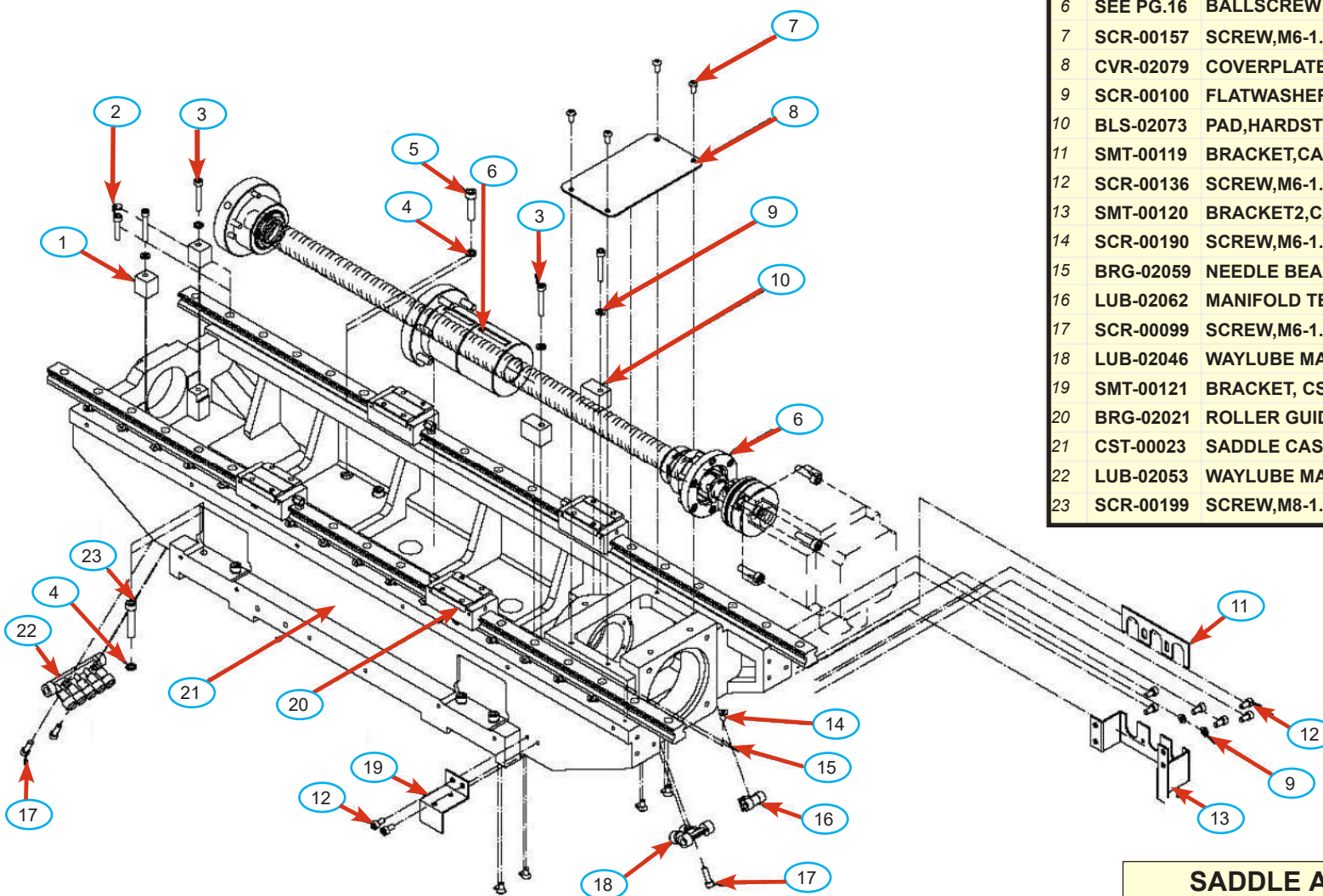


**BASE ASSEMBLY**



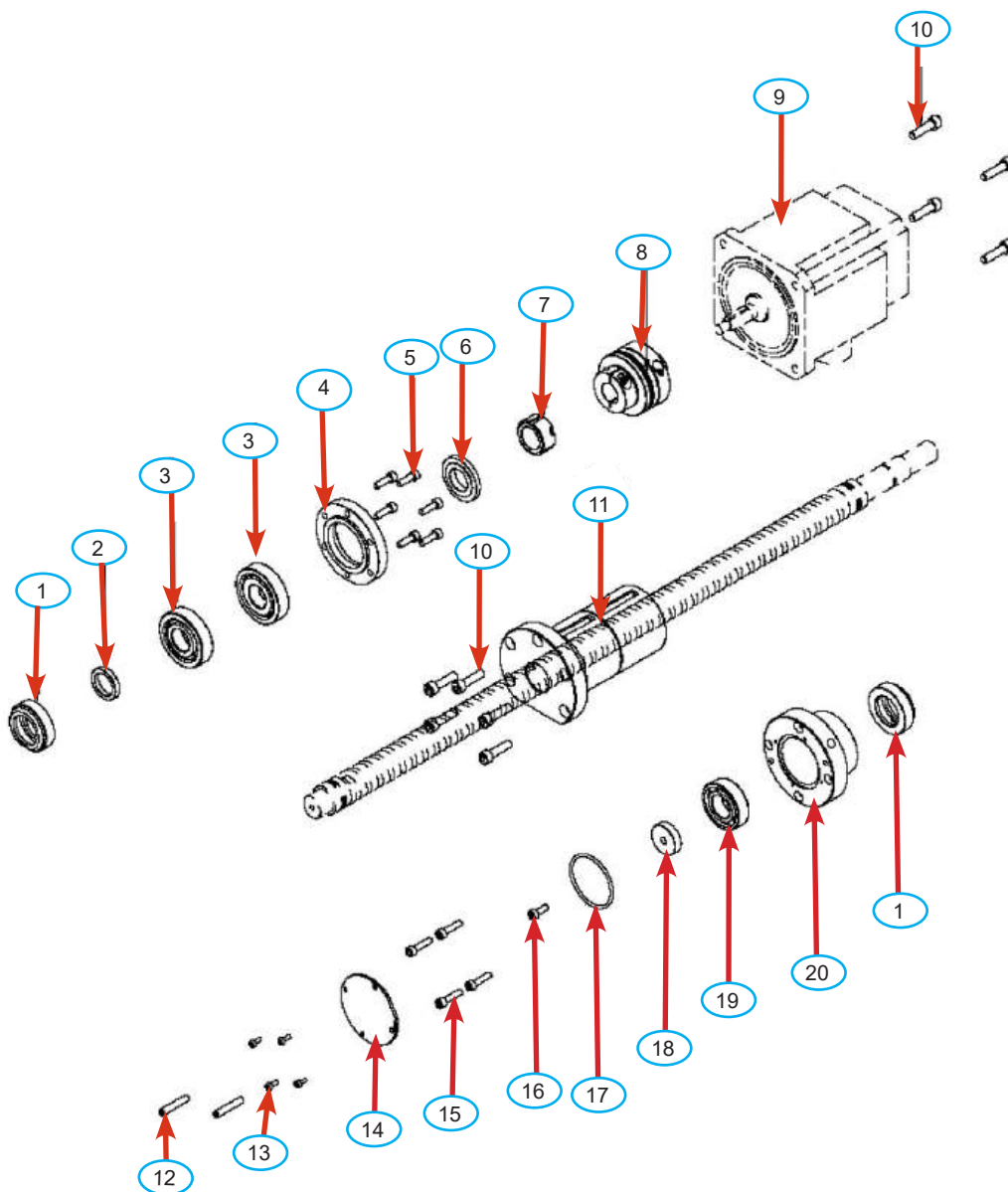
| Item | Part Number | Description                         |
|------|-------------|-------------------------------------|
| 1    | SCR-00060   | SCREW,M8-1.25 X 30MM,SHCS           |
| 2    | MTR-02057   | YASKAWA 13A3-A2S [NO BRAKE]         |
| 3    | CPL-00006   | COUPLER,XYZ;2015HS-II               |
| 4    | BLS-02071   | JAMNUT,M25-1.5 2015HS-II            |
| 5    | SCR-00099   | SCREW,M6-1.0 X 20MM SHCS            |
| 6    | BLS-02072   | COVER,BEARING BLOCK;Y;2015HS-II     |
| 7    | BLS-02073   | SPACER,BEARING;REAR Y;2015HS-II     |
| 8    | BRG-02029   | BEARING,THRUST;Y-AXIS;2015HS-II     |
| 9    | BLS-02074   | SPACER,BEARING;FRONT;2015HS-II      |
| 10   | SEL-00059   | SEAL,Y-BEARING BLOCK;2015HS-II      |
| 11   | BLS-02010   | BALLSCREW,Y-AXIS;2015HS-II          |
| 12   | HDW-02077   | TAPER PIN,M5 X 38MM Y-BRG BLOCK     |
| 13   | BRG-02030   | BALL BEARING                        |
| 14   | BLS-02075   | ENDCOVER,BALLSCREW;Y-AXIS 2015HS    |
| 15   | SCR-00064   | SCREW,M6-1.0 X 16MM SHCS            |
| 16   | SEL-00060   | O'RING,G55                          |
| 17   | BLS-02076   | COVERPLATE,BEARING BLOCK;2015HS-II  |
| 18   | SCR-00191   | SCREW,M4-0.7 X 10MM SHCS            |
| 19   | BLS-02077   | BEARING BLOCK,TAIL;Y-AXIS 2015HS-II |

### Y-AXIS BALLSCREW



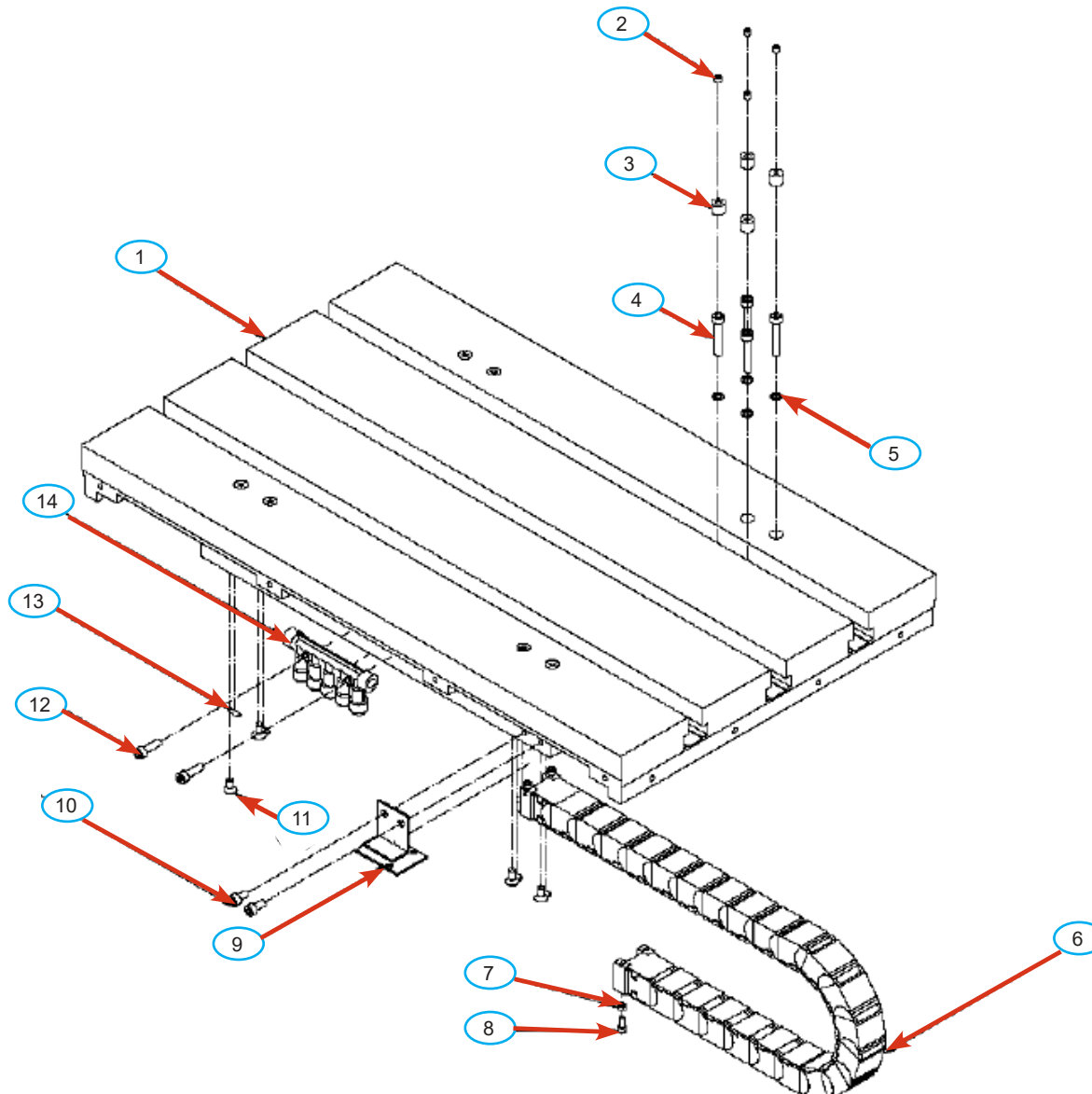
| Item | Part Number | Description                        |
|------|-------------|------------------------------------|
| 1    | BLS-02074   | PAD,HARDSTOP;X-AXIS TAIL;2015HS-II |
| 2    | SCR-00198   | SCREW,M6-1.0 X 30MM SHCS           |
| 3    | SCR-00188   | SCREW,M6-1.0 X 40MM SHCS           |
| 4    | SCR-00139   | LOCKWASHER,M8                      |
| 5    | SCR-00060   | SCREW,M8-1.25 X 35MM SHCS          |
| 6    | SEE PG.16   | BALLSCREW ASSY,X-AXIS;2015HS-II    |
| 7    | SCR-00157   | SCREW,M6-1.0 X 12MM BUTTONHEAD     |
| 8    | CVR-02079   | COVERPLATE,X-AXIS BEARING MOUNT    |
| 9    | SCR-00100   | FLATWASHER,M6 X 11MM OD            |
| 10   | BLS-02073   | PAD,HARDSTOP;X-AXIS THRUST;2015HS  |
| 11   | SMT-00119   | BRACKET,CABLE SEPARATOR;2015HS     |
| 12   | SCR-00136   | SCREW,M6-1.0 X 12MM SHCS           |
| 13   | SMT-00120   | BRACKET2,CABLE SEPARATOR           |
| 14   | SCR-00190   | SCREW,M6-1.0 X 12MM FLATHEAD       |
| 15   | BRG-02059   | NEEDLE BEARING;3.5 X 11.8MM        |
| 16   | LUB-02062   | MANIFOLD TEE,3-WAY;WAYLUBE         |
| 17   | SCR-00099   | SCREW,M6-1.0 X 20MM SHCS           |
| 18   | LUB-02046   | WAYLUBE MANIFOLD,2-PORT;6MM        |
| 19   | SMT-00121   | BRACKET, CS MARKER                 |
| 20   | BRG-02021   | ROLLER GUIDEWAY,X-AXIS;2015HS-II   |
| 21   | CST-00023   | SADDLE CASTING,2015HS-II           |
| 22   | LUB-02053   | WAYLUBE MANIFOLD,5-PORT;6MM        |
| 23   | SCR-00199   | SCREW,M8-1.25 X 45MM SHCS          |

**SADDLE ASSEMBLY**



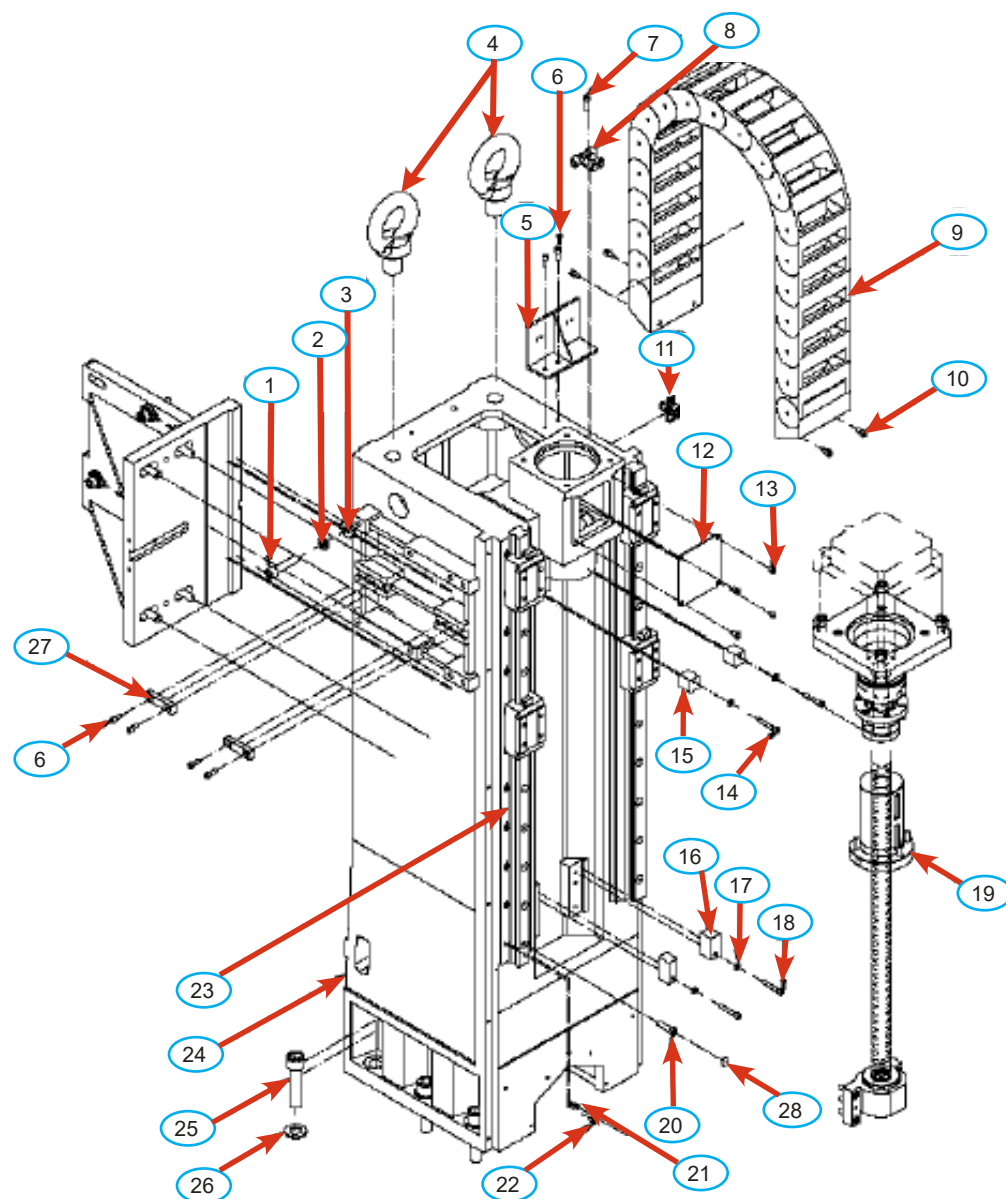
| Item | Part Number | Description                             |
|------|-------------|-----------------------------------------|
| 1    | SEL-00059   | LIP SEAL                                |
| 2    | BLS-02076   | BEARING SPACER, TAIL; X-AXIS; 2015HS-II |
| 3    | BRG-02029   | BEARING, THRUST; X-AXIS; 2015HS-II      |
| 4    | BLS-02077   | BEARING BLOCK COVER, X-AXIS; 2015       |
| 5    | SCR-00099   | SCREW, M6-1.0 X 20MM SHCS               |
| 6    | BLS-02075   | BEARING SPACER, THRUST; X-AXIS; 2015    |
| 7    | BLS-02071   | JAMNUT, M25-1.5 2015HS-II               |
| 8    | CPL-00006   | COUPLER, XYZ; 2015HS-II                 |
| 9    | MTR-02057   | YASKAWA 13A3-A2S [NO BRAKE]             |
| 10   | SCR-00060   | SCREW, M8-1.25 X 30MM SHCS              |
| 11   | BLS-02009   | BALLSCREW, X-AXIS; 2015HS-II            |
| 12   | HDW-02077   | TAPER PIN, M5 X 38MM; X-BRG BLOCK       |
| 13   | SCR-00191   | SCREW, M4-0.7 X 10MM SHCS               |
| 14   | BLS-02078   | COVERPLATE, X-AXIS BLOCK; 2015HS-II     |
| 15   | SCR-00154   | SCREW, M6-1.0 X 25MM; SHCS ZINC         |
| 16   | SCR-00064   | SCREW, M6-1.0 X 16MM SHCS STAINLESS     |
| 17   | SEL-00060   | O'RING, G55                             |
| 18   | BLS-02079   | ENDCAP, BEARING; 2015HS-II              |
| 19   | BRG-02030   | BALL BEARING                            |
| 20   | BLS-02080   | BRG BLOCK, X-AXIS TAIL; 2015HS-II       |

### X-AXIS BALLSCREW



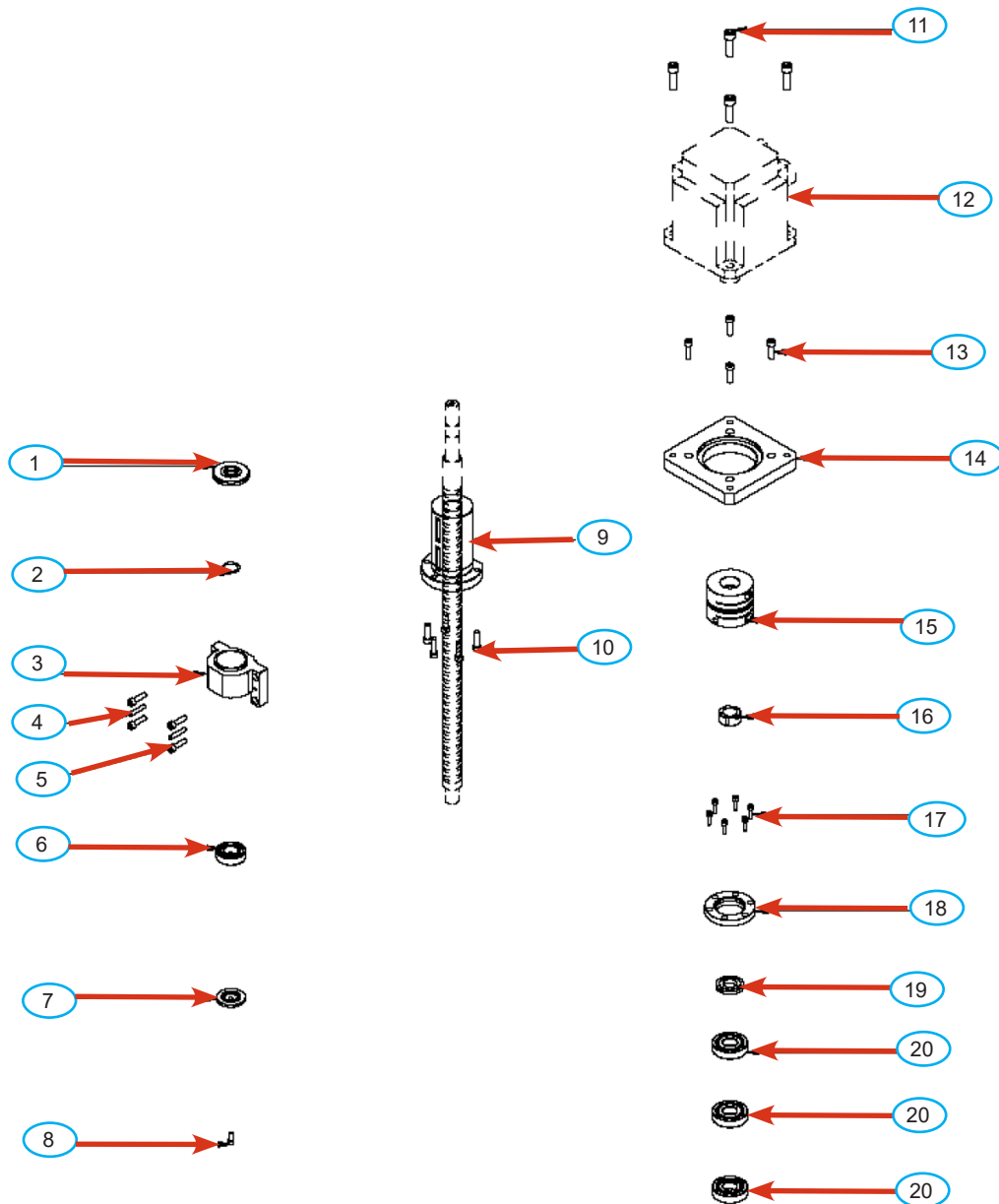
| Item | Part Number | Description                        |
|------|-------------|------------------------------------|
| 1    | CST-00023   | TABLE CASTING,2015HS-II            |
| 2    | SCR-00203   | SETSCREW,M6-1.0 X 6MM              |
| 3    | HDW-02078   | BRASS PLUG,TABLE;2015HS-II         |
| 4    | SCR-00200   | SCREW,M6-1.0 X 35MM SHCS           |
| 5    | SCR-00138   | LOCKWASHER,M6 ZINC                 |
| 6    | CVR-02080   | CABLE CARRIER,X-AXIS 2015HS-II     |
| 7    | SCR-00201   | NUT,M4-0.7                         |
| 8    | SCR-00202   | SCREW,M4-0.7 X 10MM SHCS           |
| 9    | SMT-00122   | BRACKET,CABLE CARRIER;X-AXIS 2015  |
| 10   | SCR-00136   | SCREW,M6-1.0 X 12MM SHCS           |
| 11   | SCR-00190   | SCREW,M6-1.0 X 12MM FLATHEAD       |
| 12   | SCR-00099   | SCREW,M6-1.0 X 20MM SHCS STAINLESS |
| 13   | BRG-02059   | NEEDLE BEARING;3.5 X 11.8MM        |
| 14   | LUB-02053   | WAYLUBE MANIFOLD,5-PORT;6MM        |

**TABLE ASSEMBLY**



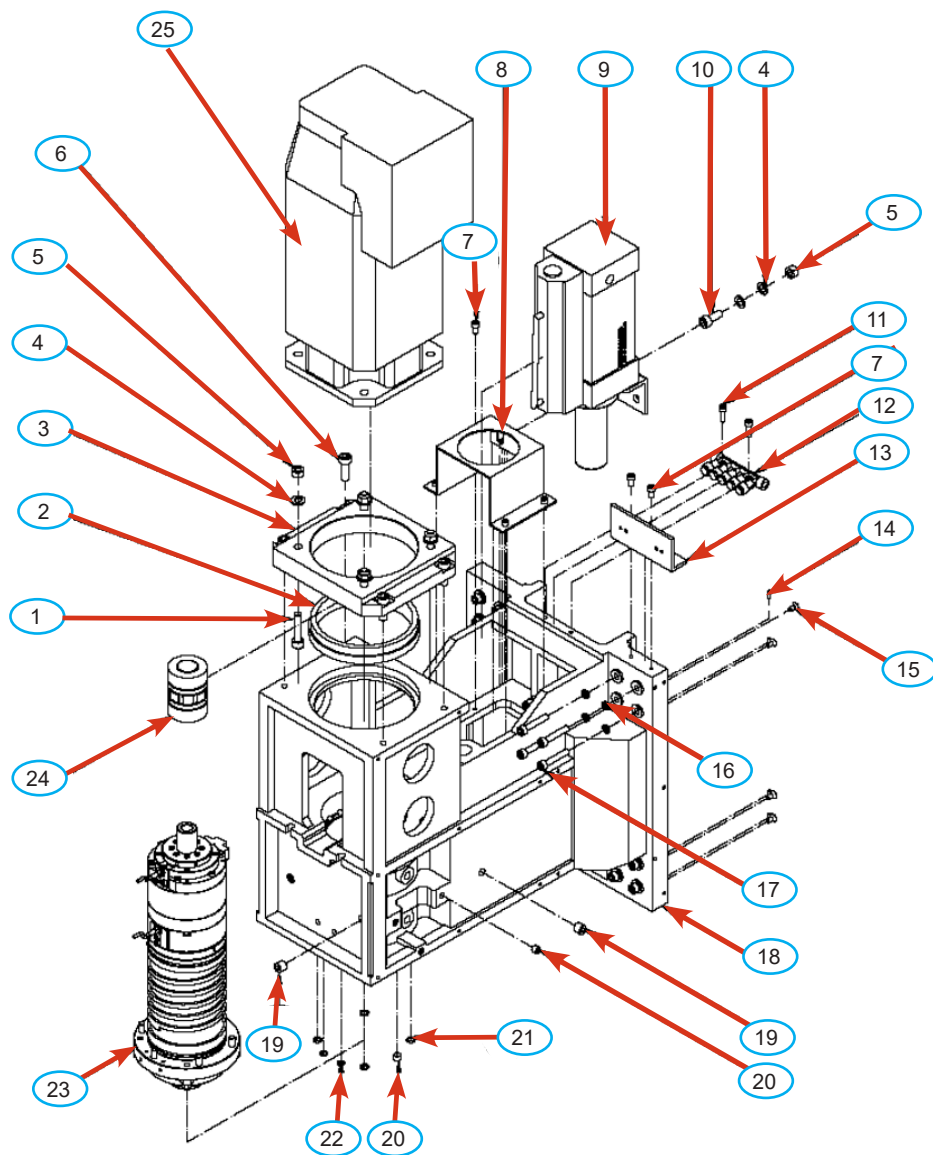
| Item | Part Number | Description                       |
|------|-------------|-----------------------------------|
| 1    | SCR-00192   | SCREW,M12-1.75 X 55MM SHCS        |
| 2    | SCR-00193   | SPRING WASHER, M12                |
| 3    | SCR-00194   | M12 X 32 X 5 C2.5                 |
| 4    | HDW-02075   | EYEBOLT,M30                       |
| 5    | SMT-00118   | MOUNT BRACKET,CABLE CARRIER       |
| 6    | SCR-00064   | SCREW,M6-1.0 X 16MM SHCS          |
| 7    | SCR-00099   | SCREW,M6-1.0 X 20MM SHCS          |
| 8    | LUB-02046   | WAYLUBE MANIFOLD,2-PORT;6MM       |
| 9    | CVR-02077   | CABLE CARRIER,Z-AXIS;2015HS-II    |
| 10   | SCR-00157   | SCREW, M6-1.0 X 12MM BUTTONHEAD   |
| 11   | LUB-02061   | MANIFOLD TEE,4-WAY;WAYLUBE        |
| 12   | CVR-02078   | COVERPLATE,Z BRG MOUNT;2015HS-II  |
| 13   | SCR-00157   | SCREW,M6-1.0 X 12MM BUTTONHEAD    |
| 14   | SCR-00188   | SCREW,M6-1.0 X 40MM SHCS          |
| 15   | BLS-02071   | PAD,HARDSTOP;Z-UPPER 2015HS-II    |
| 16   | BLS-02072   | PAD,HARDSTOP;Z-LOWER;2015HS-II    |
| 17   | SCR-00100   | FLATWASHER,M6 X 11MM              |
| 18   | SCR-00157   | SCREW,M6-1.0 X 40MM SHCS          |
| 19   |             | BALLSCREW,Z-AXIS;2015HS-II        |
| 20   | SCR-00060   | SCREW,M8-1.25 X 30MM SHCS         |
| 21   | BRG-02059   | NEEDLE BEARING,3.5 X 11.8MM       |
| 22   | SCR-00136   | SCREW,M6-1.0 X 12MM               |
| 23   | BRG-02060   | ROLLER GUIDEWAY, Z-AXIS 2015HS-II |
| 24   | CST-00022   | COLUMN CASTING,2015HS-II          |
| 25   | SCR-00196   | SCREW,M20-2.5 X 80MM SHCS         |
| 26   | SCR-00197   | WASHER,M20 X 37MM DIA             |
| 27   | ATC-02034   | LOCATING KEY,DATC;                |
| 28   | BRG-02061   | PLUG,RAIL MOUNT HOLES             |

### COLUMN ASSEMBLY



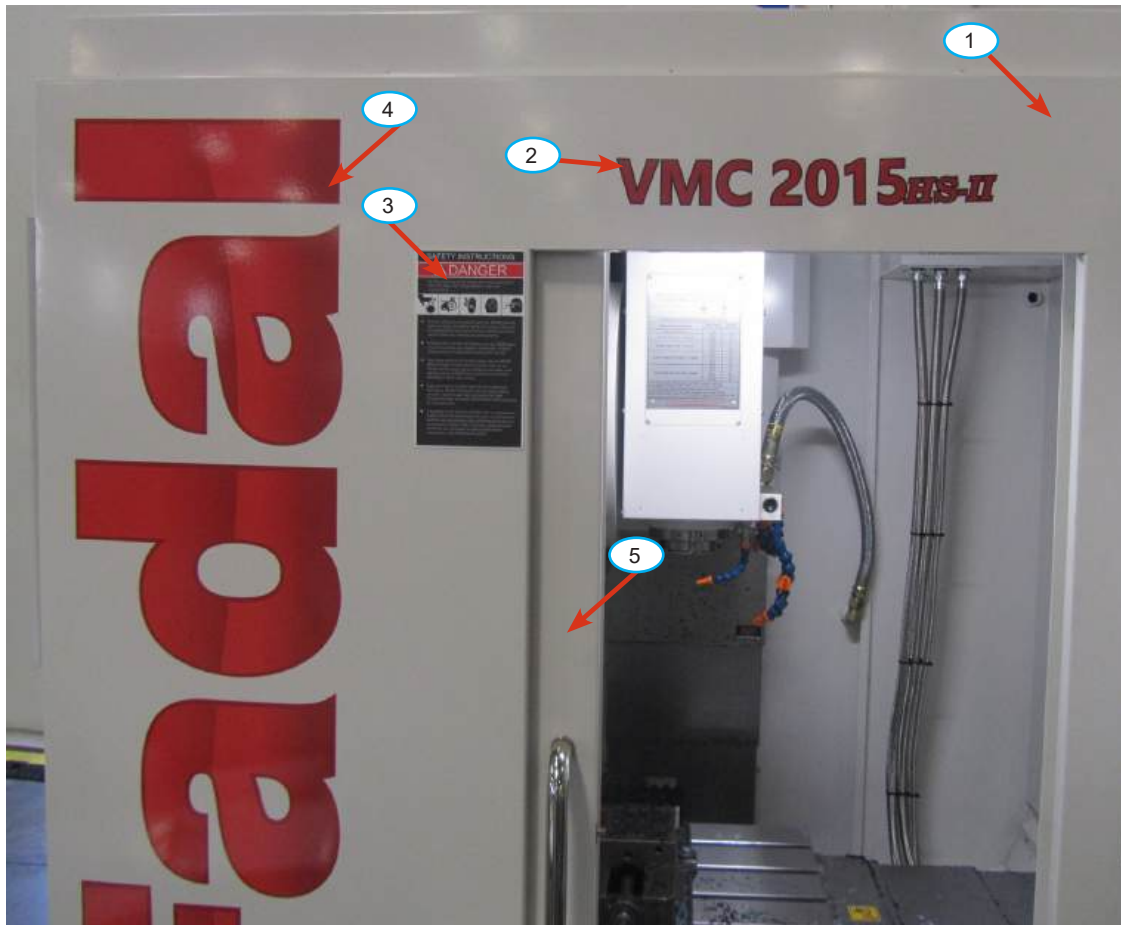
| Item | Part Number | Description                         |
|------|-------------|-------------------------------------|
| 1    | SEL-00063   | LIP SEAL,Z-BALLSCREW;2015HS-II      |
| 2    | SEL-00064   | O'RING,G25                          |
| 3    | BLS-02079   | BEARING BLOCK,TAIL;Z-AXIS 2015HS-II |
| 4    | HDW-02077   | TAPER PIN,M5 X 38MM;Y-BRG BLOCK     |
| 5    | SCR-00060   | SCREW,M8-1.25 X 30MM SHCS           |
| 6    | BRG-02030   | BALL BEARING;XY AXIS - 2015HS-II    |
| 7    | BLS-02080   | ENDCAP,Z BALLSCREW;2015HS-II        |
| 8    | SCR-00064   | SCREW,M6-1.0 X 16MM SHCS STAINLESS  |
| 9    | BLS-02011   | BALLSCREW,Z-AXIS;2015HS-II          |
| 10   | SCR-00207   | SCREW,M8-1.25 X 30MM SHCS           |
| 11   | SCR-00114   | SCREW,M12 X 1.75 X 40MM;SHCS        |
| 12   | MTR-02058   | MOTOR,YASKAWA;2015HSII W/BRAKE      |
| 13   | SCR-00060   | SCREW,M8-1.25 X 30MM SHCS           |
| 14   | MTR-02067   | MOTOR MOUNT PLATE;Z-AXIS;2015HS-II  |
| 15   | CPL-00006   | COUPLER,XYZ;2015HS-II               |
| 16   | BLS-02081   | JAMNUT,Z-BSCREW;2015HS-II M25-1.5   |
| 17   | SCR-00099   | SCREW,M6-1.0 X 20MM SHCS STAINLESS  |
| 18   | BLS-02082   | COVER,BRG BLOCK;Z-AXIS;2015HS-II    |
| 19   | BLS-02075   | BEARING SPACER,X,Z-AXIS;2015HS-II   |
| 20   | BRG-02029   | THRUST BEARING;XYZ AXIS - 2015HS-II |

### Z-AXIS BALLSCREW

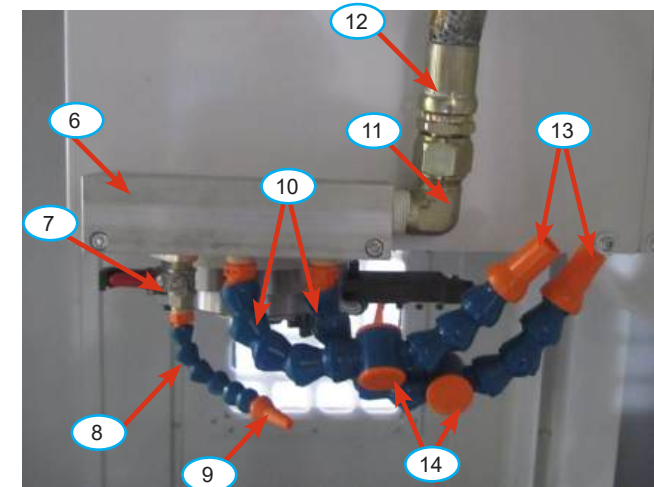


| Item | Part Number | Description                       |
|------|-------------|-----------------------------------|
| 1    | SCR-00204   | SCREW,M10-1.5 X 45MM SHCS         |
| 2    | SPN-02038   | RING,SPINDLE LOCATING;2015HS-II   |
| 3    | MTR-02065   | MOUNT PLATE,SPINDLE MOTOR;2015HS  |
| 4    | SCR-00205   | WASHER,M10 X 18DIA X 1.6MM        |
| 5    | SCR-00095   | NUT,HEX;M10 A-2                   |
| 6    | SCR-00199   | SCREW,M8-1.25 X 45MM SHCS         |
| 7    | SCR-00136   | SCREW,M6-1.0 X 12MM SHCS ZINC     |
| 8    | CYL-02001   | PLATFORM,CYLINDER;2015HS-II       |
| 9    | CYL-02002   | CYLINDER,DRAWBAR;2015HS-II        |
| 10   | SCR-00206   | SCREW,M10-1.5 X 25MM SHCS         |
| 11   | SCR-00099   | SCREW,M6-1.0 X 20MM SHCS          |
| 12   | LUB-02053   | WAYLUBE INJECTOR MANIFOLDS,5-PORT |
| 13   | SMT-00123   | BRACKET,LUBE MANIFOLD             |
| 14   | BRG-02059   | NEEDLE BEARING,3.5 X 11.8MM       |
| 15   | SCR-00190   | SCREW,M6-1.0 X 12MM FLATHEAD      |
| 16   | SCR-00139   | LOCKWASHER,M8 ZINC                |
| 17   | SCR-00199   | SCREW,M8-1.25 X 45MM SHCS         |
| 18   | CST-00023   | HEAD CASTING,2015HS-II            |
| 19   | PLM-02121   | PLUG,9MM X 1/4PT                  |
| 20   | PLM-02120   | PLUG,7MM X 1/8PT                  |
| 21   | SEL-00062   | O'RING,P9                         |
| 22   | SEL-00061   | O'RING,P7                         |
| 23   | SPN-02037   | SPINDLE,12K RPM;BT30;2015HS-II    |
| 24   | CPL-00007   | COUPLER,MOTOR-SPINDLE;12K 2015HS  |
| 25   | MTR-02066   | SPINDLE MOTOR,12K; 2015HS-II      |

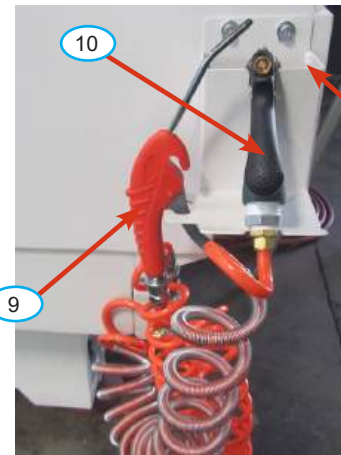
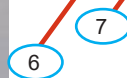
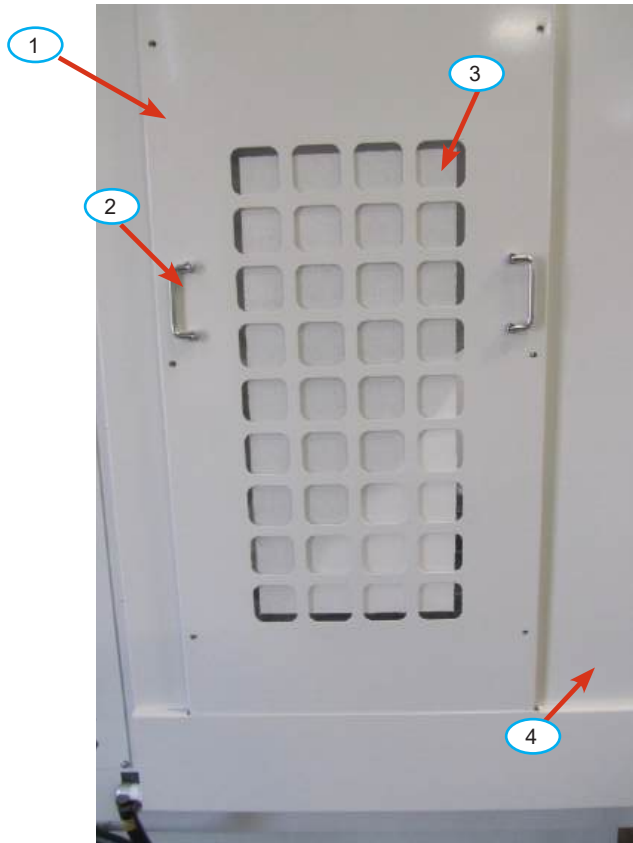
### HEAD ASSEMBLY



| Item | Part Number | Description                           |
|------|-------------|---------------------------------------|
| 1    | SMT-00124   | MAIN CABINET SHELL,2015HS-II          |
| 2    | LBL-02029   | "VMC2015HSII" 2 X 16 RED              |
| 3    | LBL-02000   | LABEL,"DANGER" 9 X 5                  |
| 4    | LBL-02015   | LABEL,FRONT;"FADAL" 48 X 13           |
| 5    | DOR-02046   | FRONT DOOR PANEL,2015HS-II            |
| 6    | CNT-02031   | BLOCK,COOLANT MANIFOLD;HEAD           |
| 7    | PLM-02105   | VALVE,BALL;1/4 NPT X 1/4 FIPT;AIRBLST |
| 8    | PLM-02030   | LOCLINE HOSE,1/4;10-SECTION           |
| 9    | PLM-02033   | LOCLINE NOZZLE, 1/4 X 1/4             |
| 10   | PLM-02122   | LOCLINE HOSE,1/2 BALL-10 SECTION      |
| 11   | PLM-02124   | FITTING,5/8 NPT X 5/8 JIC ELL         |
| 12   | PLM-02125   | HOSE,COOLANT;ARMORED;32               |
| 13   | PLM-02036   | LOCLINE NOZZLE,1/2; 1/4RD             |
| 14   | PLM-02123   | LOCLINE VALVE,1/2 BALL                |

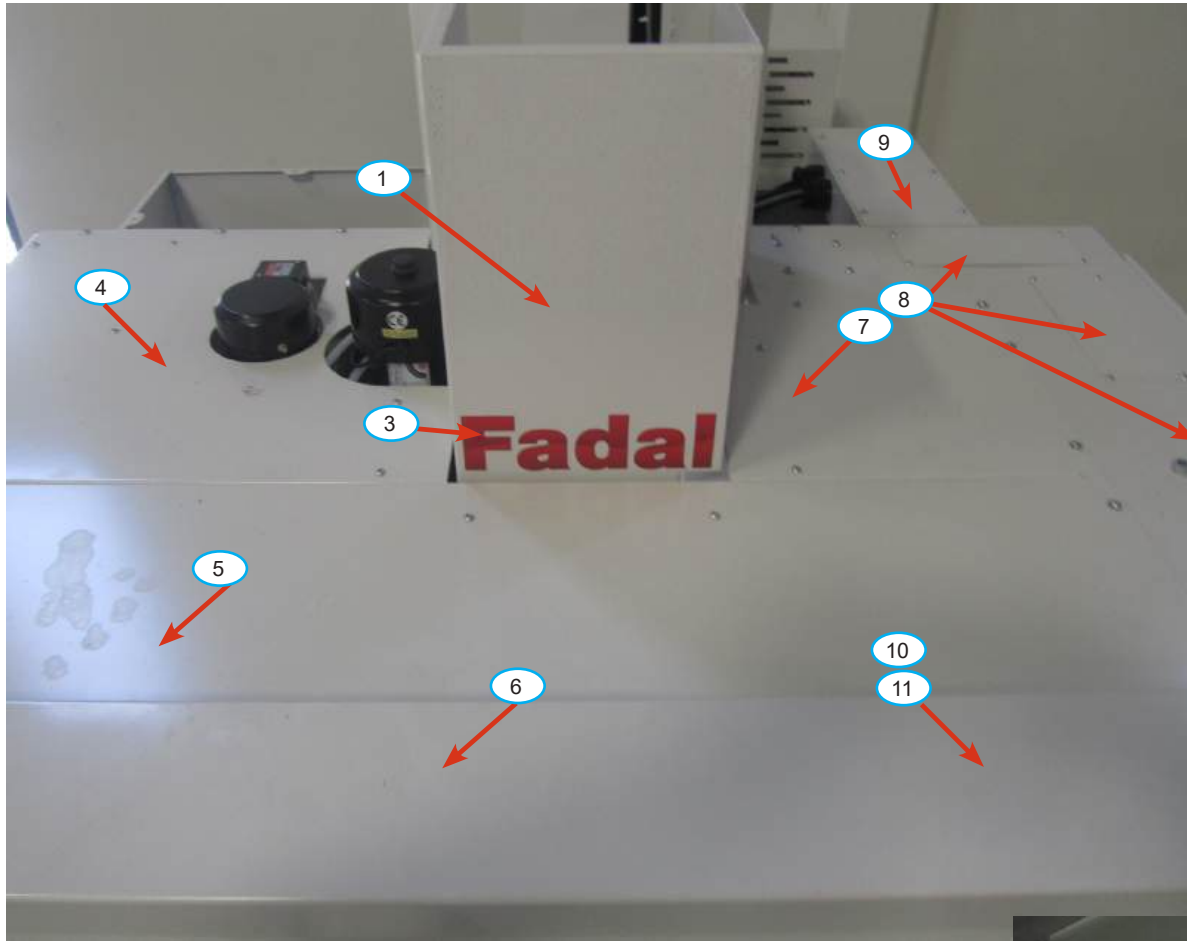


**MACHINE ENCLOSURE**

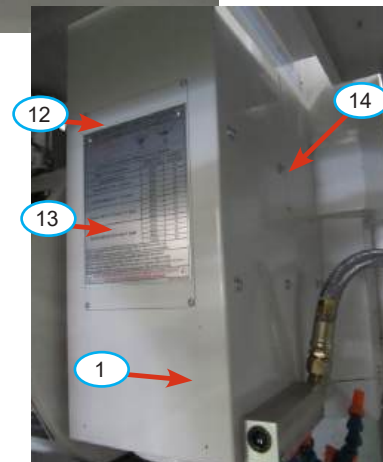


| Item | Part Number | Description                       |
|------|-------------|-----------------------------------|
| 1    | DOR-02047   | SIDE DOOR PANEL,2015HS-II         |
| 2    | DOR-02048   | HANDLE,SIDE DOOR;2015HS-II        |
| 3    | DOR-02049   | SIDE PANEL WINDOW,LEXAN;17 X 32   |
| 4    | SMT-00124   | MAIN CABINET SHELL,2015HS-II      |
| 5    | SMT-00132   | SIDE PANEL,CHILLER CAGE;2015HS-II |
| 6    | SMT-00136   | REAR PANEL,CHILLER CAGE,2015HS-II |
| 7    | SMT-00134   | COVER,CHILLER CAGE;2015HS-II      |
| 8    | ELE-04014   | WORKLIGHT,LED;19 IN 24VDC TUBULAR |
| 9    | PLM-02117   | AIR GUN,COILED HOSE;1/4 IN        |
| 10   | PLM-02118   | NOZZLE,COILED HOSE;WASHDOWN       |
| 11   | PLM-02119   | BRACKET,COILED HOSE OR WASHDOWN   |
| 12   | PLM-02201   | SPRAY NOZZLE; OPERATOR WASHDOWN   |
| 13   | PLM-02119   | COILED HOSE; OPERATOR WASHDOWN    |

### MACHINE ENCLOSURE - MISC

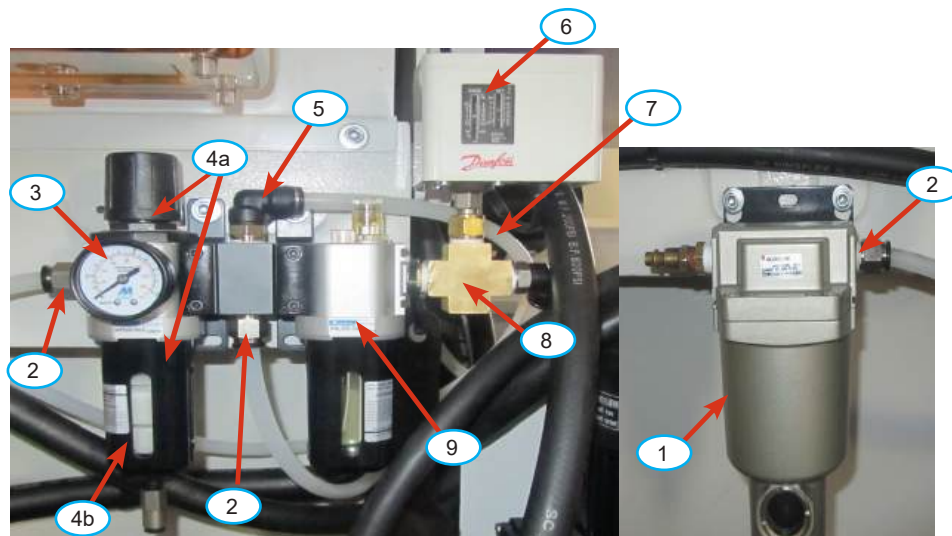


| Item | Part Number | Description                                  |
|------|-------------|----------------------------------------------|
| 1    | SMT-00133   | HEAD COVER,FRONT PANEL;2015HS-II             |
| 2    | LBL-02023   | HEAD STRIPES [NOT SHOWN] <b>DISCONTINUED</b> |
| 3    | LBL-02013   | LABEL,"FADAL" 9.7 X 2.5                      |
| 4    | SMT-00127   | TOP COVER,LEFT REAR;2015HS-II                |
| 5    | SMT-00128   | TOP COVER,CENTER;2015HS-II                   |
| 6    | SMT-00129   | COVER,FRONT DOOR MECHANISM;2015              |
| 7    | SMT-00130   | TOP COVER, RIGHT REAR                        |
| 8    | SMT-00125   | ACCESS PANEL, 4 X 10                         |
| 9    | SMT-00126   | ACCESS PANEL, 7 X 16                         |
| 10   | ELE-04024   | DOOR INTERLOCK MECHANISM;2015HS-II           |
| 11   | DOR-02048   | FRONT DOOR ROLLERS,TOP;2015HS-II             |
| 12   | SMT-00137   | ACCESS PANEL, FRONT HEADCVR;10 X 6           |
| 13   | LBL-02044   | LABEL,"SPINDLE WARMUP";2015HS-II             |
| 14   | SMT-00138   | ACCESS PANEL, RIGHT HEADCVR;10 X 5           |

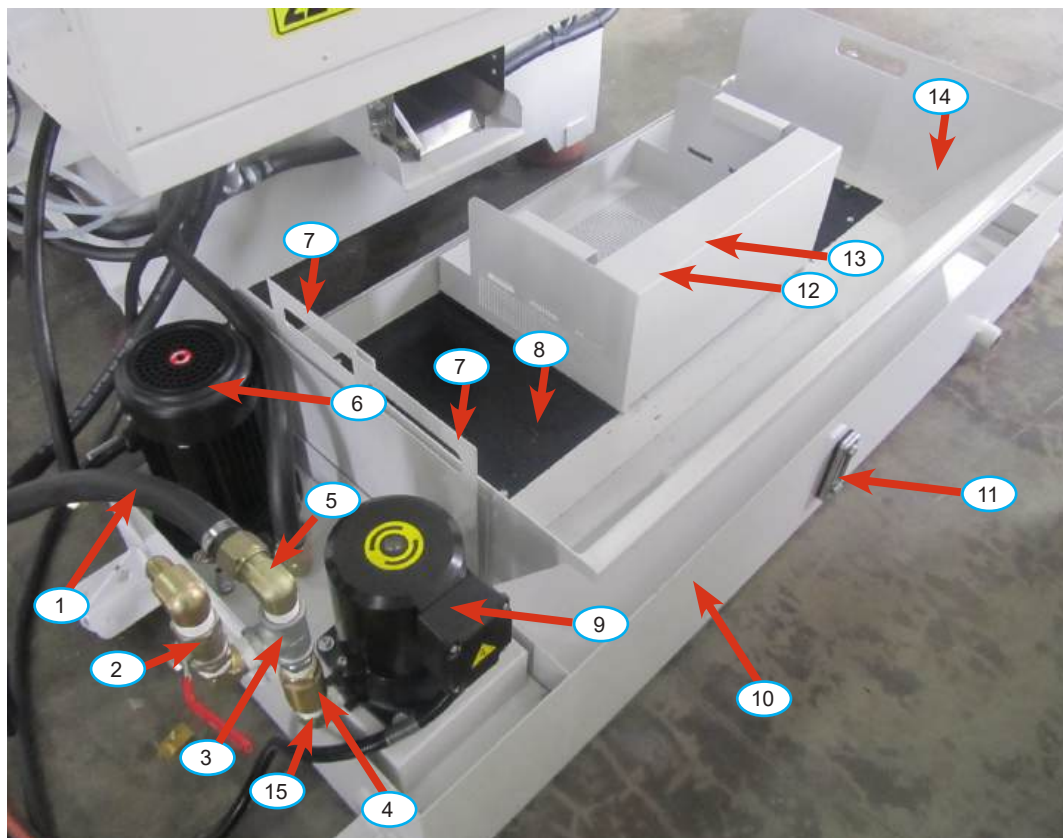


**MACHINE ENCLOSURE - TOP**

| Item | Part Number | Description                                 |
|------|-------------|---------------------------------------------|
| 1    | REG-02004   | PRE-FILTER, MAIN; AUTO DRAIN, 3/8 NPT       |
| 2    | PLM-02125   | FITTING; 10MM QD X 3/8 NPT, STRAIGHT        |
| 3    | PLM-02123   | GAUGE, PRESSURE; 1/8 NPT, 0-140 PSI         |
| 4a   | REG-02012   | REGULATOR, WATER SEPERATOR; ASSEMBLY        |
| 4b   | REG-02012-B | REGULATOR, WATER SEPERATOR; BOWL            |
| 5    | PLM-02087   | FITTING; 10MM QD X 3/8 NPT, ELL             |
| 6    | SWT-00067   | PRESSURE SWITCH; MAIN AIR                   |
| 7    | PLM-02084   | TUBING, 10MM; PER METER                     |
| 8    | PLM-02124   | CROSS TEE; 3/8 NPT                          |
| 9    | REG-02014   | OILER; AIR LUBRICATION                      |
| 10a  | REG-02015   | FILTER; AIR REGULATOR                       |
| 10b  | REG-02015-B | FILTER; BOWL                                |
| 11   | PLM-02197   | FITTING; 12MM QD X 3/8 MIPT, ELL            |
| 12   | REG-02009   | REGULATOR ASSEMBLY; W/OUT PRES. SWITCH/ TEE |
| 13   | REG-02008   | REGULATOR, MAIN AIR; COMPLETE ASSEMBLY      |



**AIR REGULATOR**



| Item | Part Number | Description                           |
|------|-------------|---------------------------------------|
| 1    | PLM-02126   | HOSE,OIL RESISTANT;3/4 [PER FOOT]     |
| 2    | PLM-02127   | BALL VALVE,3/4 X 3/4FIPT;LEVER        |
| 3    | PLM-02130   | FITTING,TEE;3/4 X 3/4 X 3/4 FIPT GALV |
| 4    | PLM-02128   | CHECK VALVE;3/4FIPT X 3/4FIPT         |
| 5    | PLM-02129   | FITTING,3/4MIPT X 3/4MIPT ELBOW       |
| 6    | PMP-02022   | PUMP,WASHDOWN;230VAC 3PH;VERT         |
| 7    | CNT-02038   | INSERT,PUMP STRAINER;2015HS-II        |
| 8    | CNT-02037   | BASKET STRAINER FILTER,2015HS-II      |
| 9    | PMP-02023   | PUMP,FLOOD;2015HS-II                  |
| 10   | CNT-02035   | COOLANT TANK-MAIN,2015HS-II           |
| 11   | CNT-02034   | SIGHT GLASS,COOLANT LEVEL;TANK        |
| 12   | CNT-02039   | BASKET STRAINER-FINE;2015HS-II        |
| 13   | CNT-02040   | BASKET STRAINER-COARSE;2015HS-II      |
| 14   | CNT-02036   | BASKET SUPPORT,CNT TANK;2015HS-II     |
| 15   | PLM-02131   | ADAPTER,3/4MIPT X 1/2MIPT ELBOW       |

### COOLANT TANK ASSEMBLY

# OPTIONS

| <i>Description</i>                     | <i>Page</i> |
|----------------------------------------|-------------|
| Options Index                          | 28          |
| Remote Manual Pulse Generator (RMPG)   | 29          |
| Touch Probe / Tool Presetter; Wireless | 30          |
| Chip Conveyor; Right / Left Discharge  | 31          |
| 6 Inch Rotary Table - High Speed       | 32          |



| Item | Part Number | Description                              |
|------|-------------|------------------------------------------|
| 1    | MPG-02001   | REMOTE MPG W/ CABLE, CONNECTOR & BRACKET |

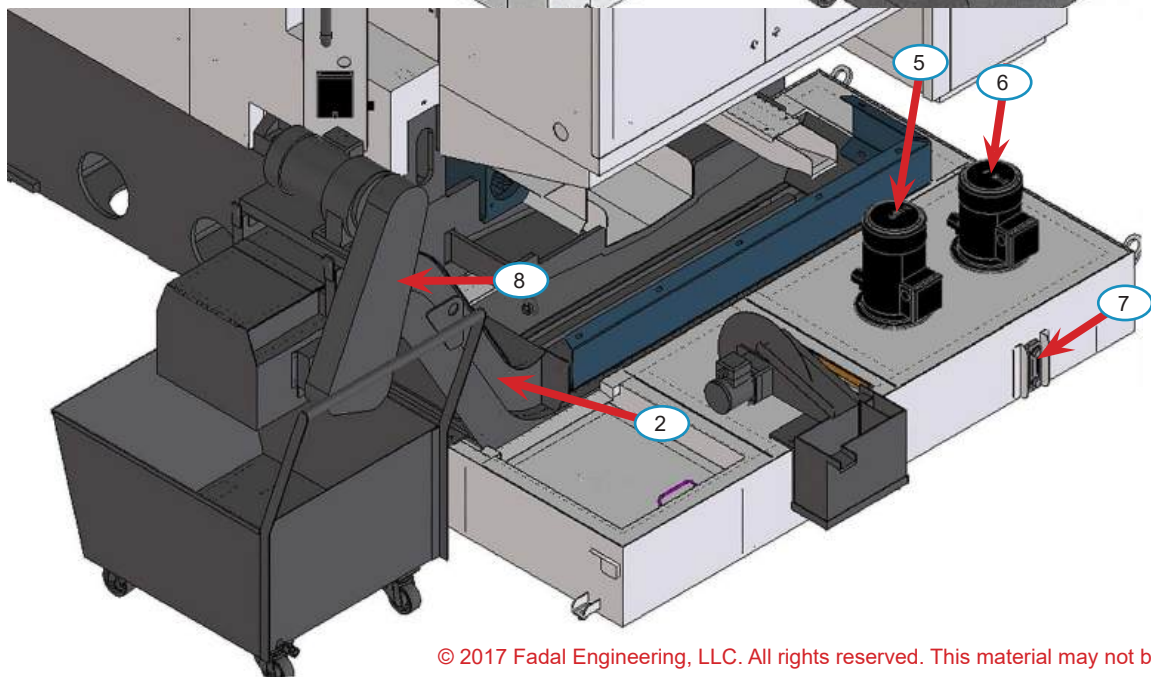
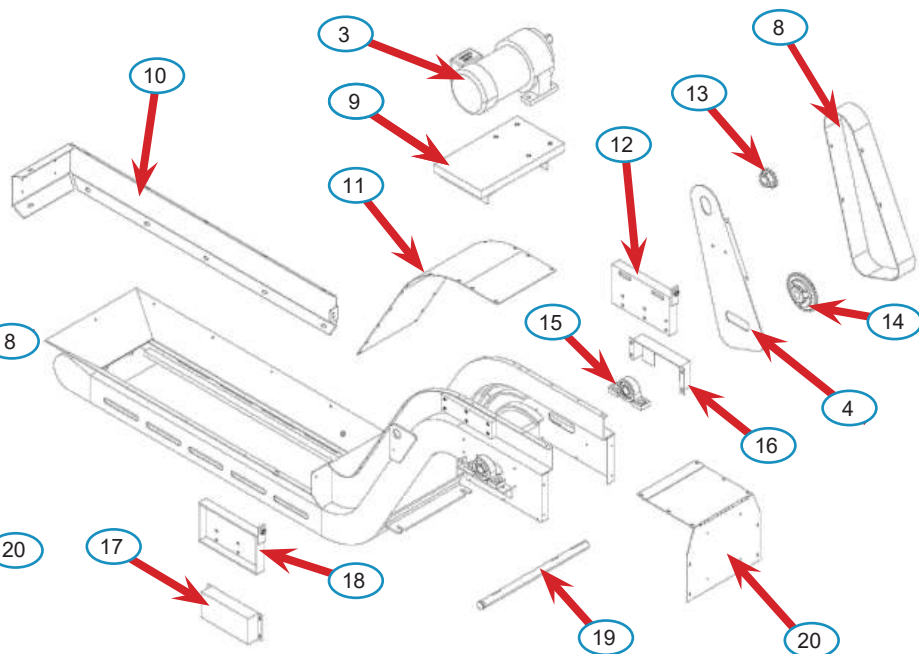
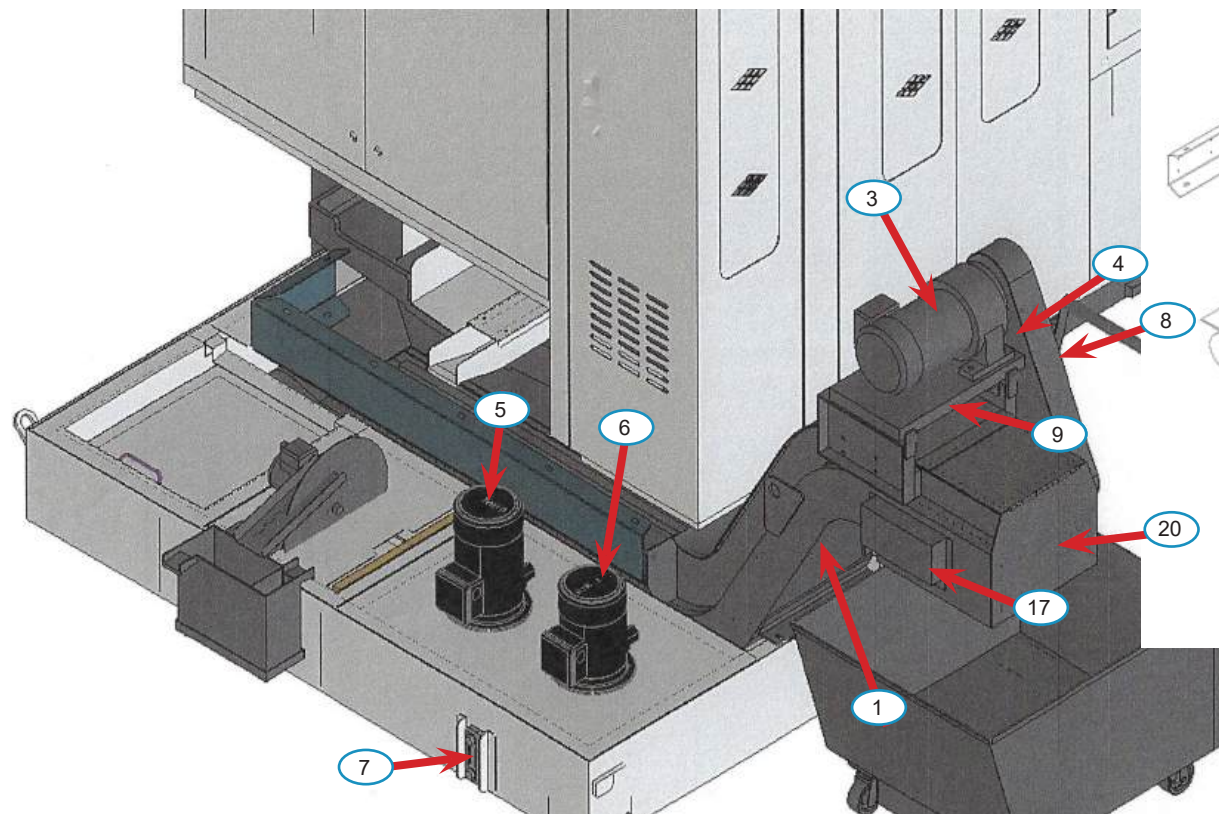
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**REMOTE MPG**



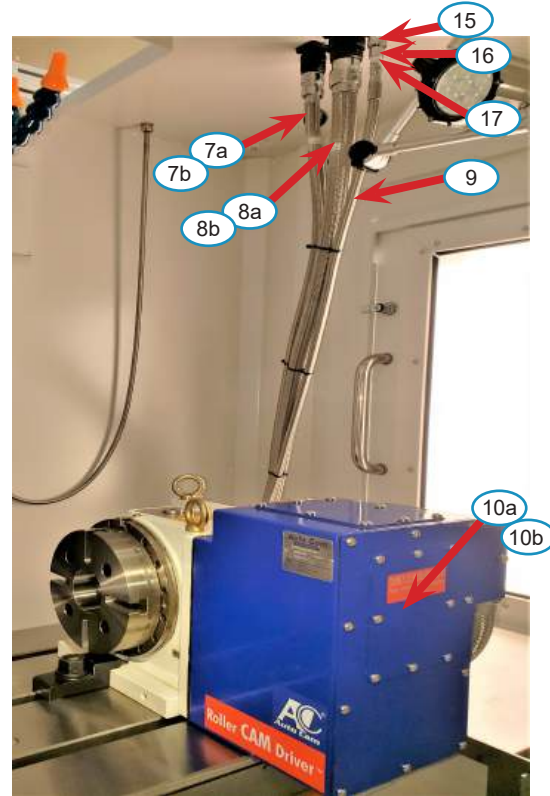
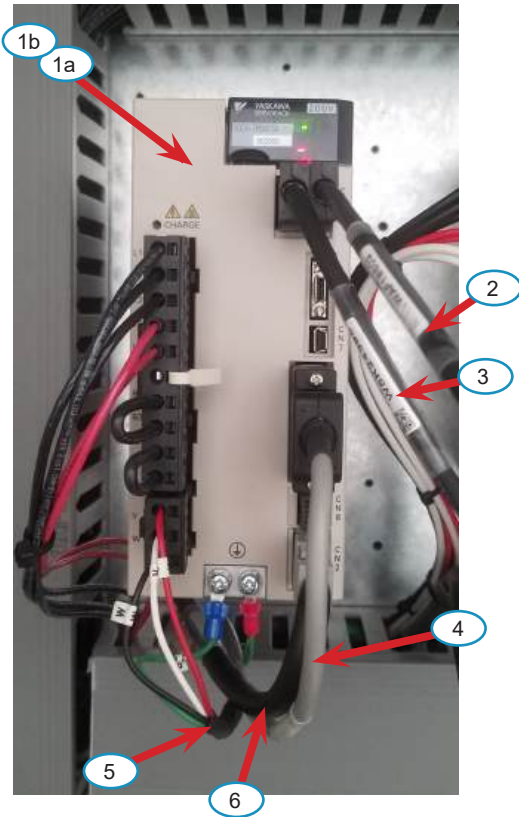
| Item | Part Numb | Description                        |
|------|-----------|------------------------------------|
| 1    | PRB-02000 | TOOLSETTER,WIRELESS;NO TIP VOTS90  |
| 2    | PRB-02001 | CONTACT DISK,TOOLSETTER;MARPOSS    |
| 3    | PRB-02002 | PROBE,SPINDLE; NO STUD/TIP;VOP40   |
| 4    | PRB-02003 | PROBE TIP,SS                       |
| 5    | PRB-02004 | RECEIVER KIT, 24V TOOLSETTER/PROBE |
| 6    | PRB-02005 | CABLE,MARPOSS RECEIVER W/GUARD     |
| 7    | PRB-02006 | CRASHPIN,VOTS TOOLSETTER           |
| 8    | PRB-02015 | STYLUS,CERAMIC W/ RUBY TIP;50MM    |
| 9    | PRB-02008 | ACCESSORY PKG, [INSTALLATION]      |
| 10   | PRB-02009 | ADAPTER,VOP40 TO BT-30             |
| 11   | PRB-02010 | ADAPTER,VOP40 TO BT-40             |
| 12   | PRB-02011 | ADAPTER,VOP40 TO CT-40             |
| 13   | PRB-02012 | ADAPTER,VOP40 TO CT-50             |
| 14   | PRB-02013 | BATTERY CAP,MARPOSS                |
| 15   | ELE-04012 | BATTERY,1/2AA; 3.6V [2 REQ]        |
| 16   | ELE-04013 | BATTERY,CR123A; 3.6V [EARLY]       |
| 17   | PRB-02016 | CRASHPIN,VOP40 TOUCH PROBE         |

### PROBE / PRESETTER

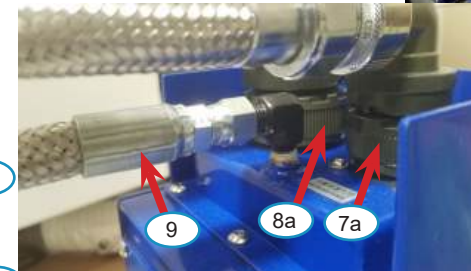
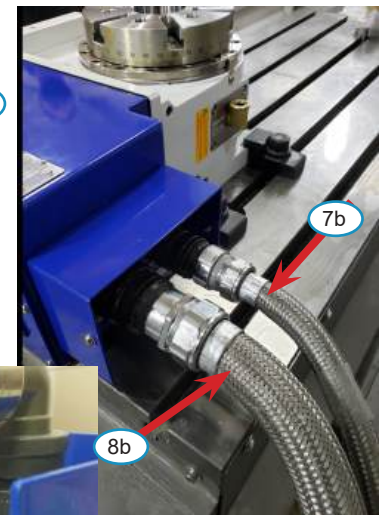
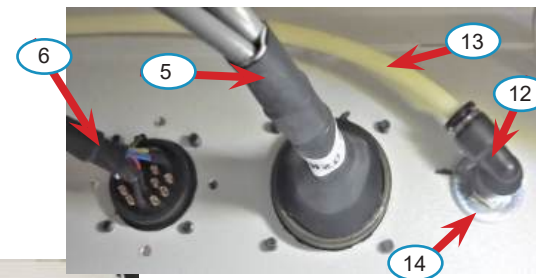
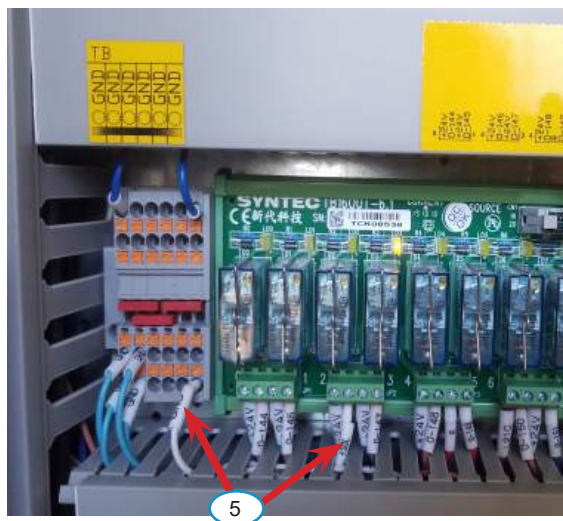


| Item | Part        | Description                           |
|------|-------------|---------------------------------------|
| 1    | CNV-02008-L | CONVEYOR UNIT; ATC SIDE DISCHARGE     |
| 2    | CNV-02008-R | CONVEYOR UNIT; PENDANT SIDE DISCHARGE |
| 3    | MTR-00000   | DRIVE MOTOR                           |
| 4    | CNV-00000   | INNER CHAIN GUARD COVER               |
| 5    | PMP-02022   | PUMP; WASHDOWN, 230VAC, 3PH, VERTICAL |
| 6    | PRB-02005   | PUMP; FLOOD                           |
| 7    | CNT-02034   | SIGHT GLASS; COOLANT TANK LEVEL       |
| 8    | CNV-00000   | OUTER CHAIN GUARD COVER               |
| 9    | CNV-00000   | MOTOR MOUNTING PLATE                  |
| 10   | CNV-00000   | CHIP CONTAINMENT COVER                |
| 11   | CNV-00000   | COVER                                 |
| 12   | CNV-00000   | CHAIN TENSION ADJUSTING PLATE         |
| 13   | CNV-00000   | SPROCKET; DRIVE MOTOR                 |
| 14   | CNV-00000   | SPROCKET; CONVEYOR                    |
| 15   | CNV-00000   | BEARING ASSEMBLY                      |
| 16   | CNV-00000   | COVER; CHAIN SIDE                     |
| 17   | CNV-00000   | COVER                                 |
| 18   | CNV-00000   | COVER PLATE                           |
| 19   | CNV-00000   | SHAFT                                 |
| 20   | CNV-00000   | HINGED DISCHARGE COVER                |

### CHIP CONVEYOR



| Item | Part Number   | Description                                         |
|------|---------------|-----------------------------------------------------|
| 1a   | AMP-02001     | AMPLIFIER, YASKAWA, 1000W [SIG. 5]                  |
| 1b   | AMP-02013     | AMPLIFIER, YASKAWA, 1000W [SIG. 7]                  |
| 2    | WIR-02050     | CABLE,USB-USB;MECHATROLINK;18 IN AMP-AMP            |
| 3    | WIR-02051     | CABLE,USB-USB;MECHATROLINK;11 FT CTR-AMP            |
| 4    | WIR-02020     | CABLE, AMP-TERMINAL BLOCK, BATTERY BKP              |
| 5    | WIR-02119     | HARNESS, A-AXIS POWER, AMP TO BULKHEAD              |
| 6    | WIR-02010     | HARNESS, A-AXIS ENCODER, AMP TO BULKHEAD            |
| 7a   | WIR-02012     | CABLE; A-AXIS ENCODER, BULKHEAD TO ROTARY           |
| 7b   | WIR-02012-STR | CABLE; A-AXIS ENCODER,BULKHEAD TO ROTARY [STRAIGHT] |
| 8a   | WIR-02013     | CABLE; A-AXIS POWER, BULKHEAD TO ROTARY             |
| 8b   | WIR-02013-STR | CABLE; A-AXIS POWER, BULKHEAD TO ROTARY [STRAIGHT]  |
| 9    | PLM-02191     | AIR HOSE; 1/4JIC, STEEL BRAIDED                     |
| 10a  | ROT-02092     | ROTARY TABLE: FR-6A,HIGH SPEED [W/OUT MOTOR]        |
| 10b  | ROT-02092/MTR | ROTARY TABLE: FR-6A,HIGH SPEED [W/ MOTOR]           |
| 11   | PLM-02186     | REDUCER; 3/8"NPT - 1/4" NPT                         |
| 12   | PLM-02092     | FITTING; 6MM QD X 1/4MPT ELL                        |
| 13   | PLM-02083     | TUBING; NYLON, 6MM                                  |
| 14   | SCR-00328     | WASHER; 25MM X 14MM X 2.5MM                         |
| 15   | PLM-02192     | FITTING; PUSH CONNECT SOCKET HOSE COUPLING          |
| 16   | PLM-02193     | FITTING; QUICK DISCONNECT HOSE COUPLING             |
| 17   | PLM-02190     | FITTING; 1/4 JIC - 1/4 FIPT                         |



**6" ROTARY - HIGH SPEED**