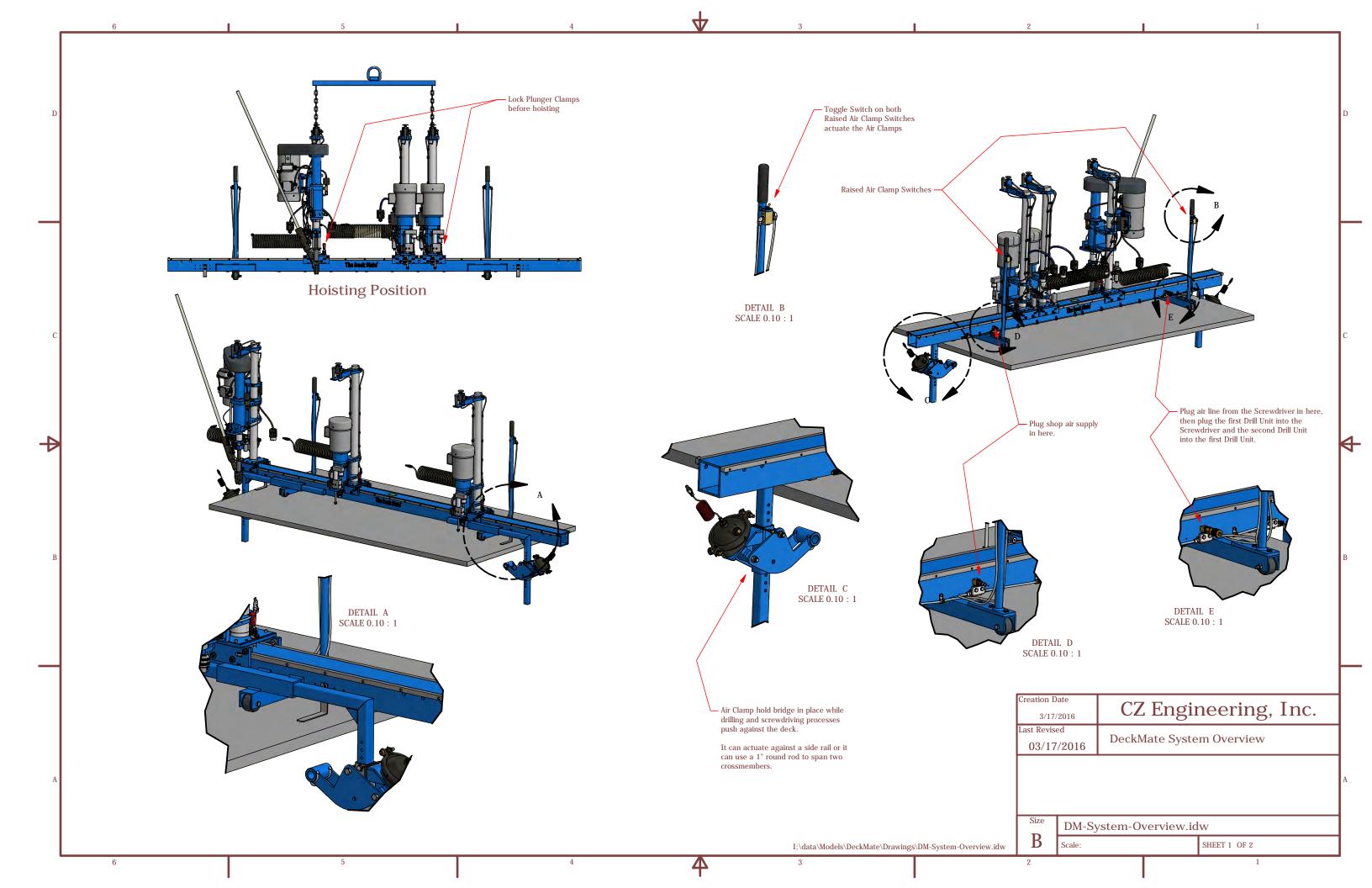


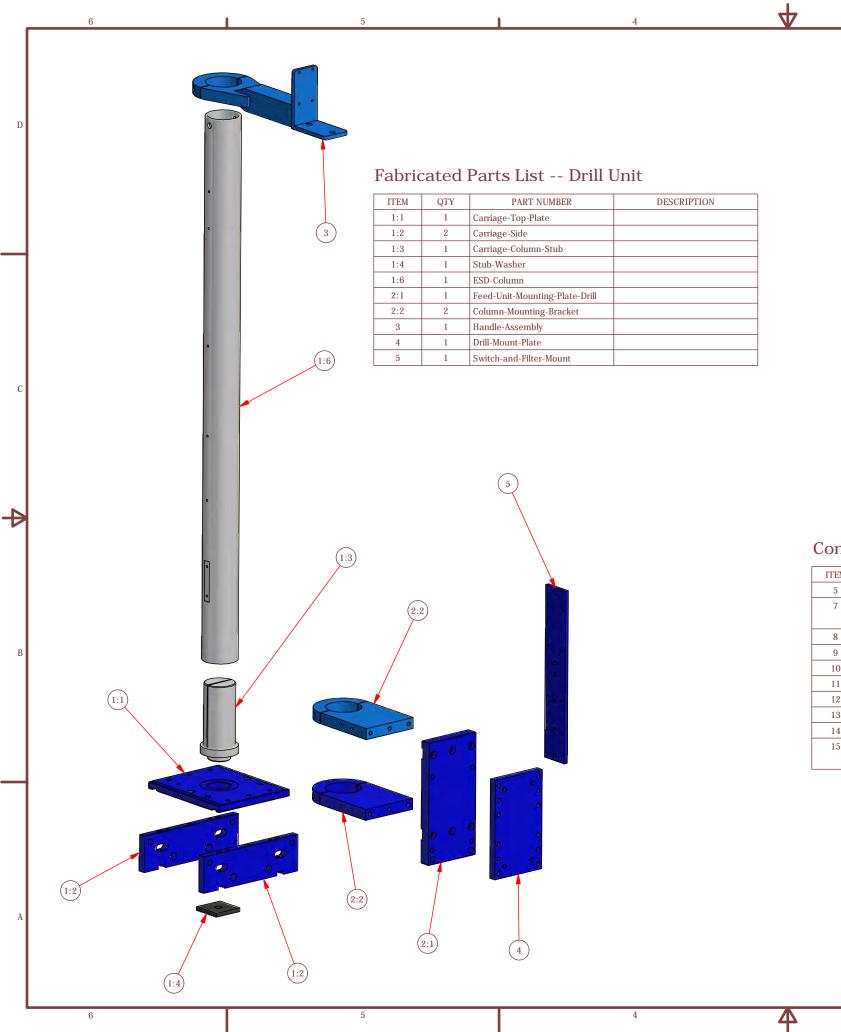


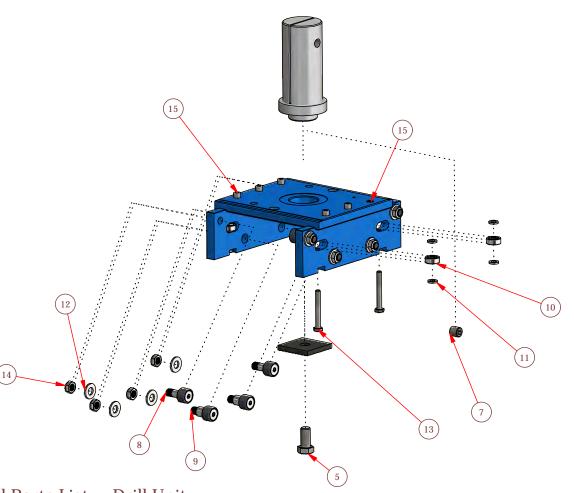
DeckMate System Setup





DeckMate System Overview





#### Commercial Parts List -- Drill Unit

ITEM	QTY	PART NUMBER	DESCRIPTION					
5	1	ANSI B18.2.1 - 1/2-20 UNF - 1	Hex Cap Screw					
7	1	ANSI B18.3 - 1/2-20 UNF x 0.5	Hexagon Socket Set Screw - Flat					
			Point					
8	4	Cam-Follower-Plain						
9	4	Cam-Follower-Essentric						
10	4	Bearing-R4A-1_4						
11	8	Washer-1_4x1_2x5_64						
12	8	Washer-3_8x812						
13	4	ANSI B18.2.1 - 1/4-28 UNF - 2	Hex Cap Screw					
14	8	Nut-Thin-Nylon-Lock-3_8-24						
15	6	ANSI B18.3 - 1/4-28 UNF - 1 HS	Hexagon Socket Head Cap Screw					
		HCS						

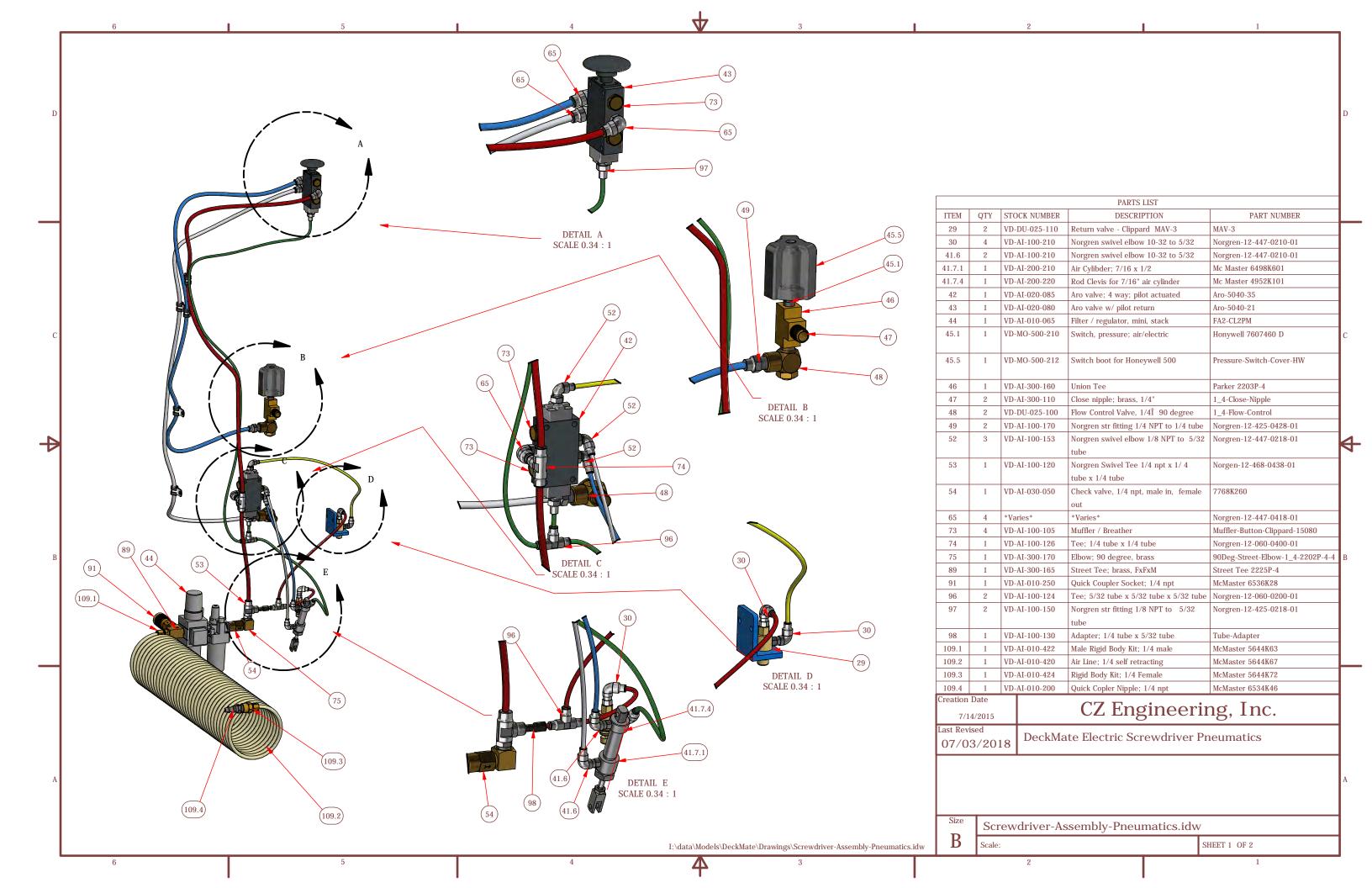
Creation Date 8/6/2015		CZ Engineering, Inc.				
Last Revised 03/18/2016		The DeckMate				
Size	Drill-A	Assembly-Fabricate	ed-Parts.idw			
В	Scale:		SHEET 1 OF 2			

\Deckmate\Drawlings\Drill-Assembly-rablicated-rans

2

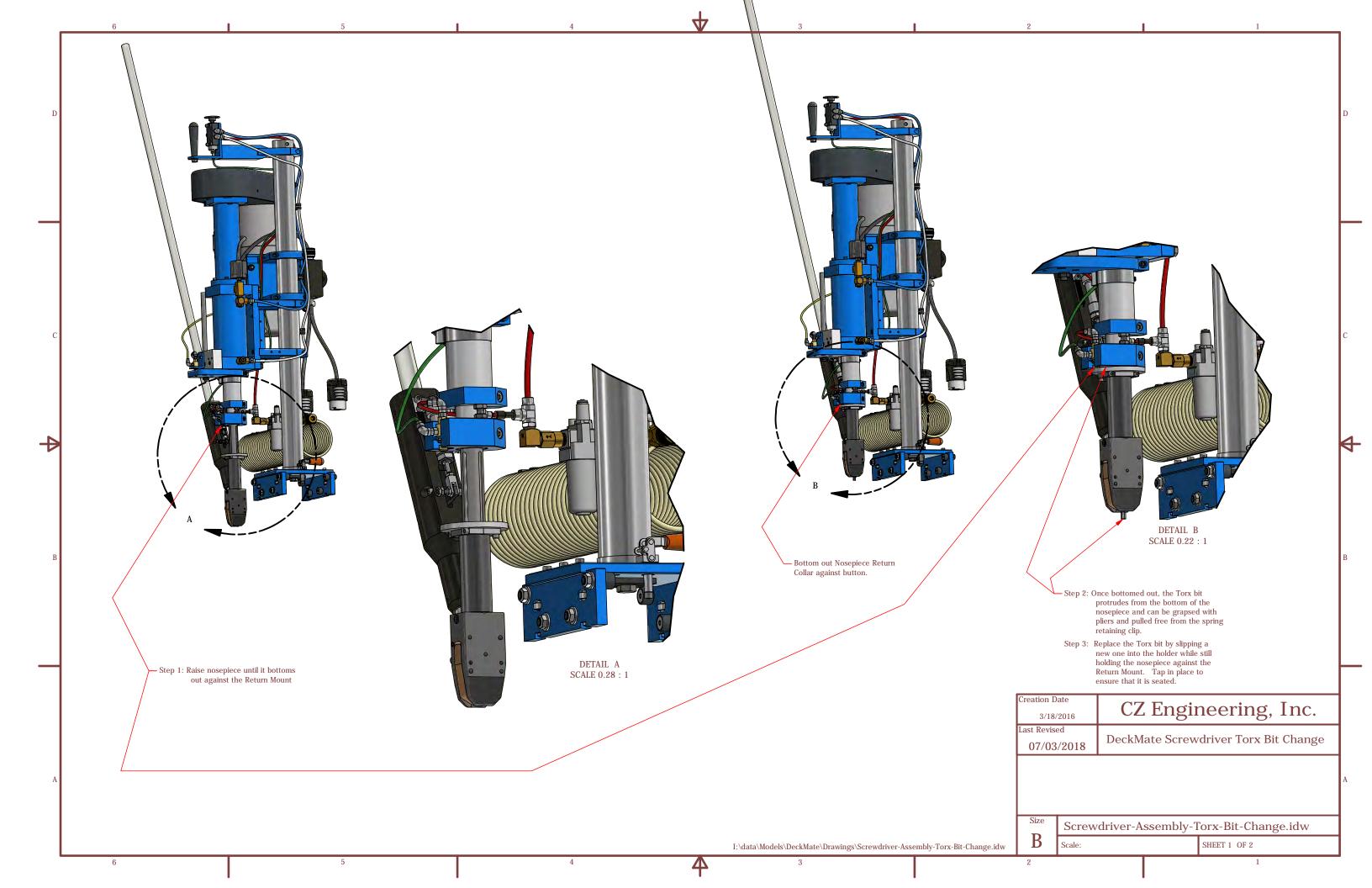


### DeckMate Drill Unit Fabricated and Commercial Parts



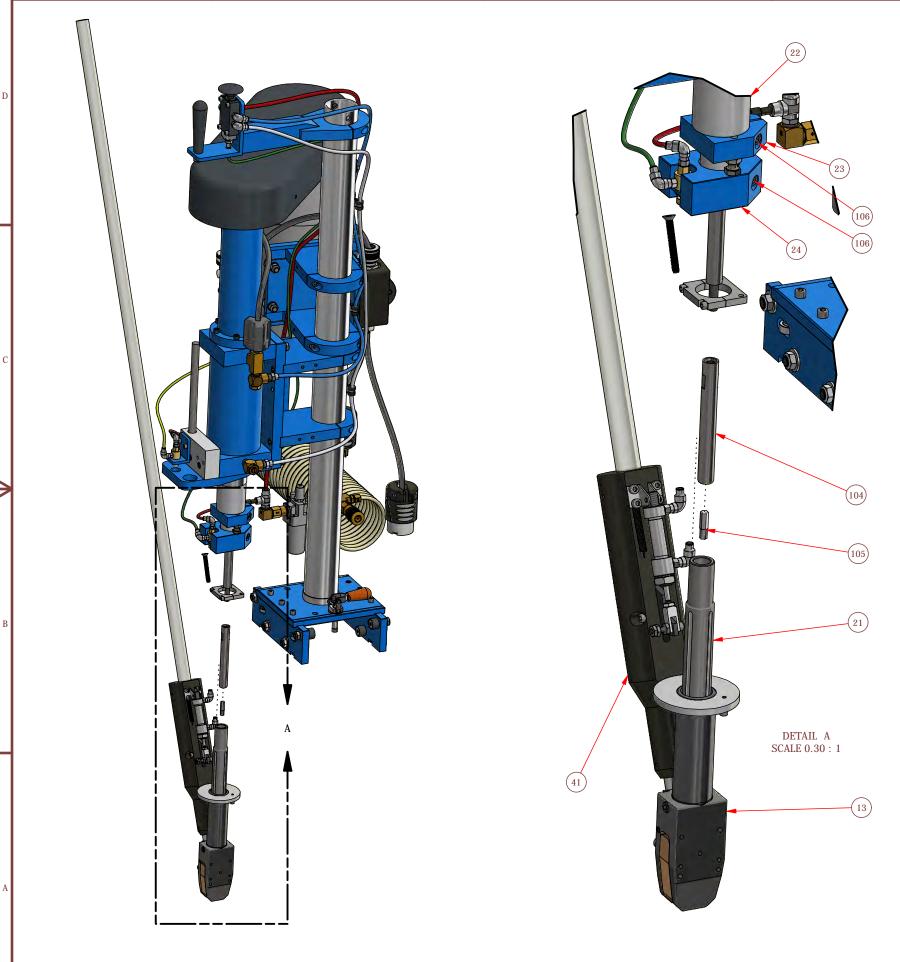


### DeckMate Electric Screwdriver Pneumatic Part List





## DeckMate Screwdriver Torx Bit Change



#### Changing the Torx Bit Holder (104) or a broken Torx bit (105)

- Loosen the socket head screw (106) in the Return Mount Lower (24) and Upper, if needed.
   Lower the entire nosepiece assembly (13), including the Screw Feeder (41)
   If only the Torx bit (105) needs to be replaced, use pliers to pull the old one from the spring retainer in the end of the Bit Holder (104). Push a new Torx bit back in place, lightly tapping it is the place of the place of the Bit Holder (104).
- in until seated.
  4. If the Bit holder needs to be replace, use two 1/2" open ended wrenches on the flats on the Bit Holder and the spindle it screws into. The threads are right hand.

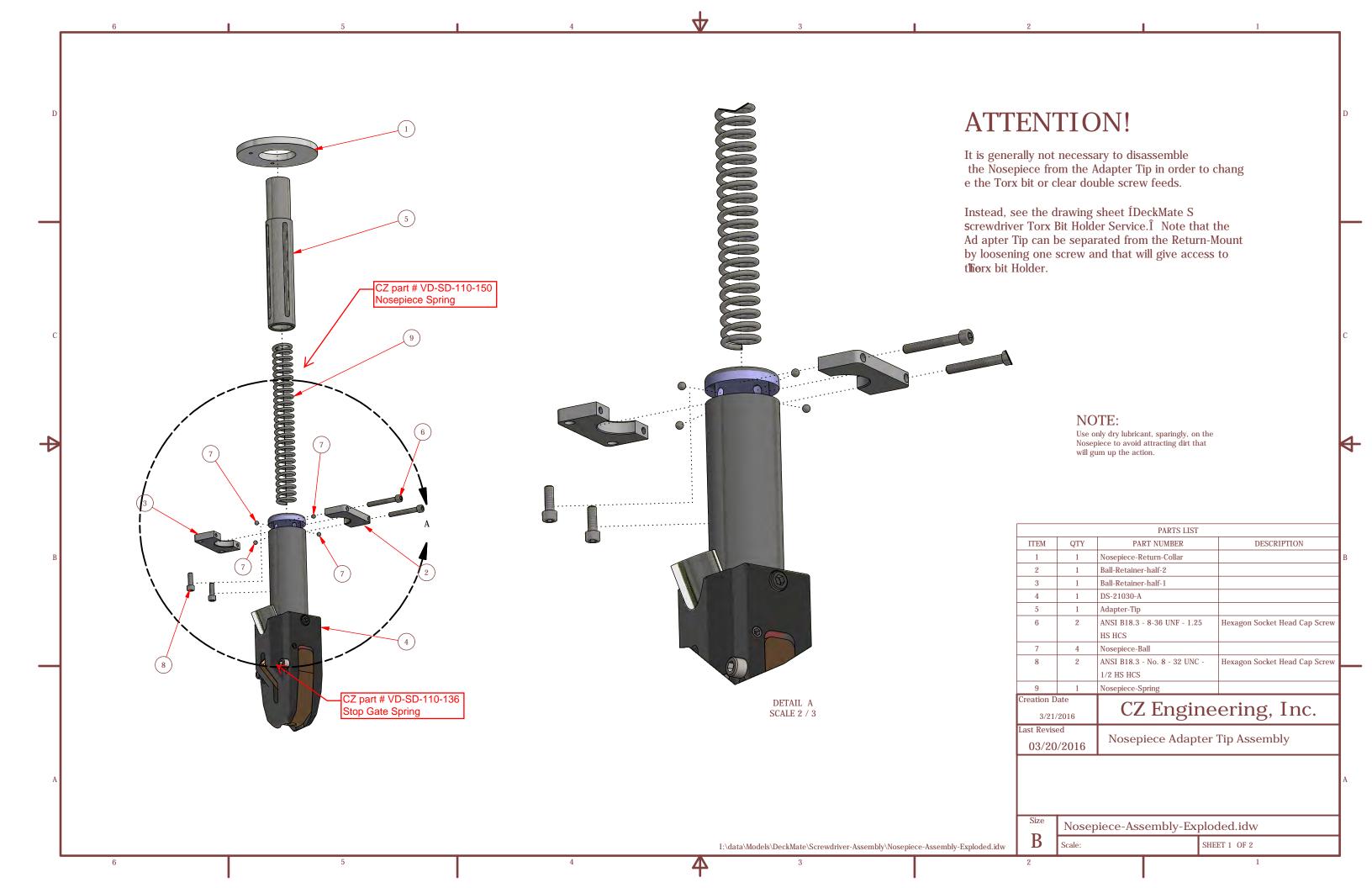
		PARTS LIST						
ITEM	QTY	PART NUMBER	DESCRIPTION					
13	1	DS-21030-A						
21	1	Adapter-Tip						
22	1	Nosepiece-Adapter						
23	1	Return-Mount-Upper						
24	1	Return-Mount-Lower						
41	1	Screwfeeder	Screw Magazine, acrylic tube					
104	1	Bit-Holder-T-004-A						
105	1	Torx-Bit-T-40						
106	2	ANSI B18.3 - 5/16-24 UNF - 1	Hexagon Socket Head Cap Screw					
		HS HCS						
112	1	Ball-Retainer-DS-2641						

Creation Date 3/17/2016	CZ Engineering, Inc.
Last Revised	DeckMate Screwdriver Torx Bit
07/03/2018	Holder Service

Screwdriver-Assembly-Bit-Service.idw SHEET 1 OF 2



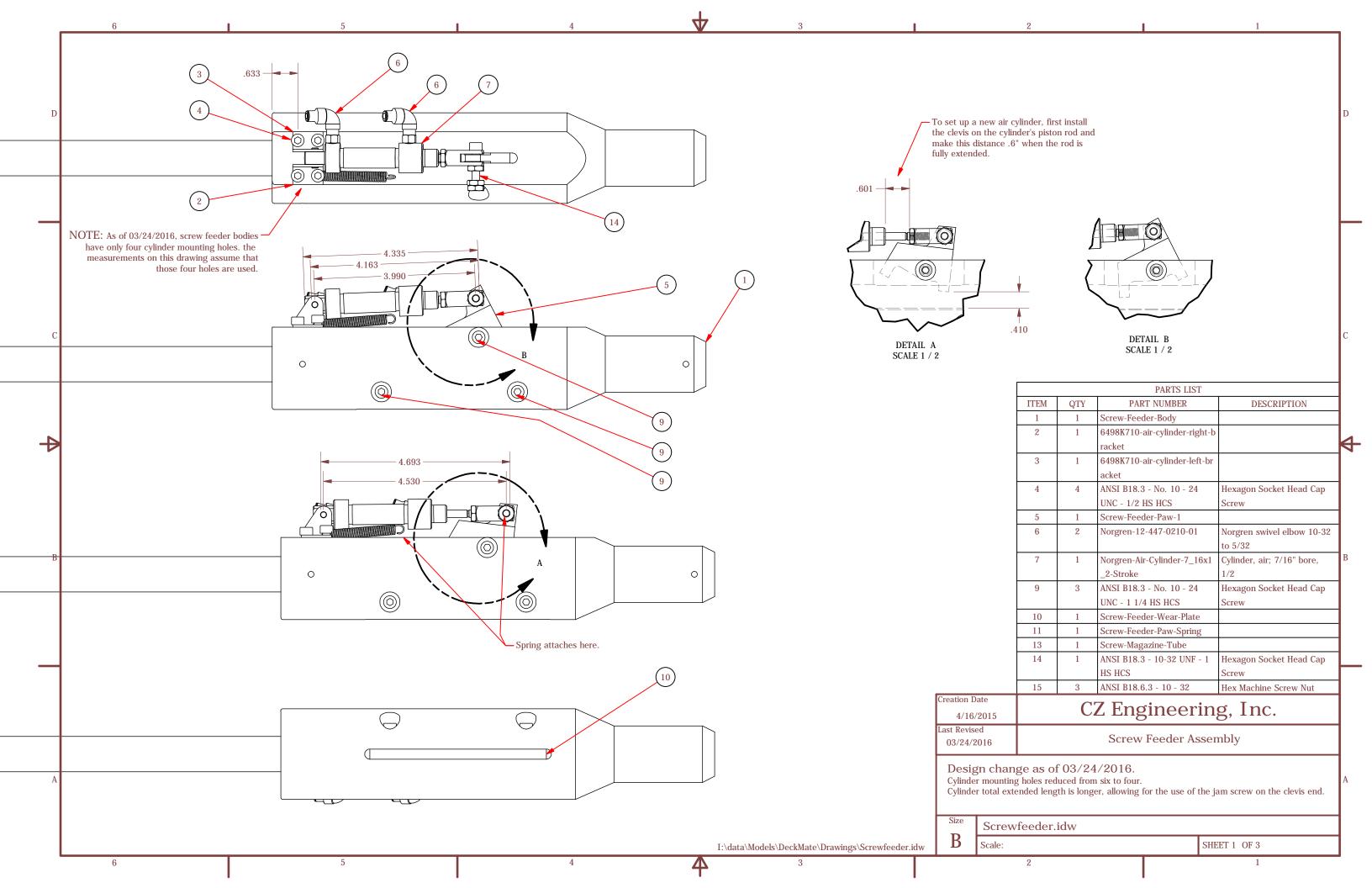
# Changing the Torx Bit Holder or a Broken Torx Bit





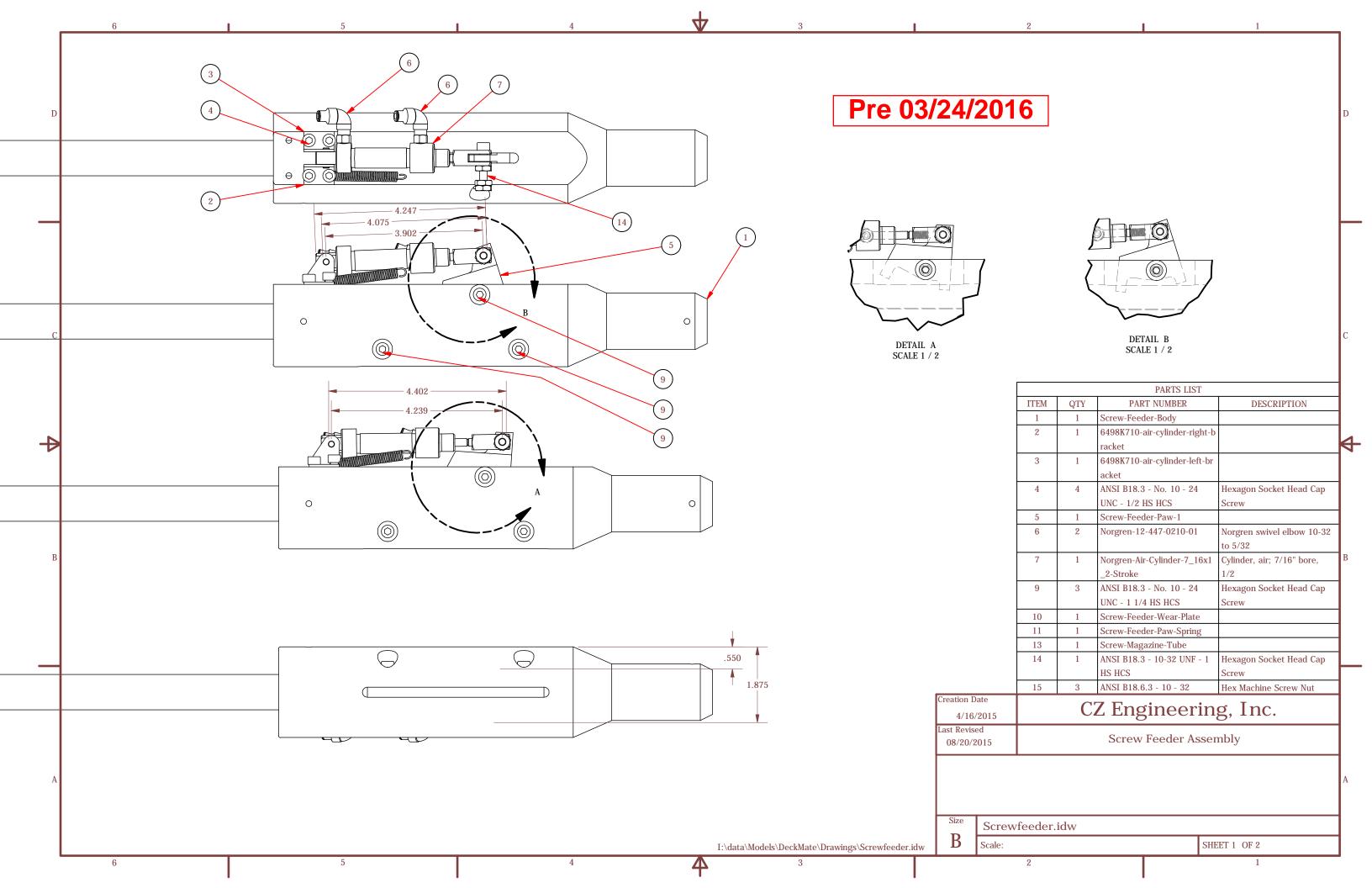
# Nosepiece Adapter Tip Assembly





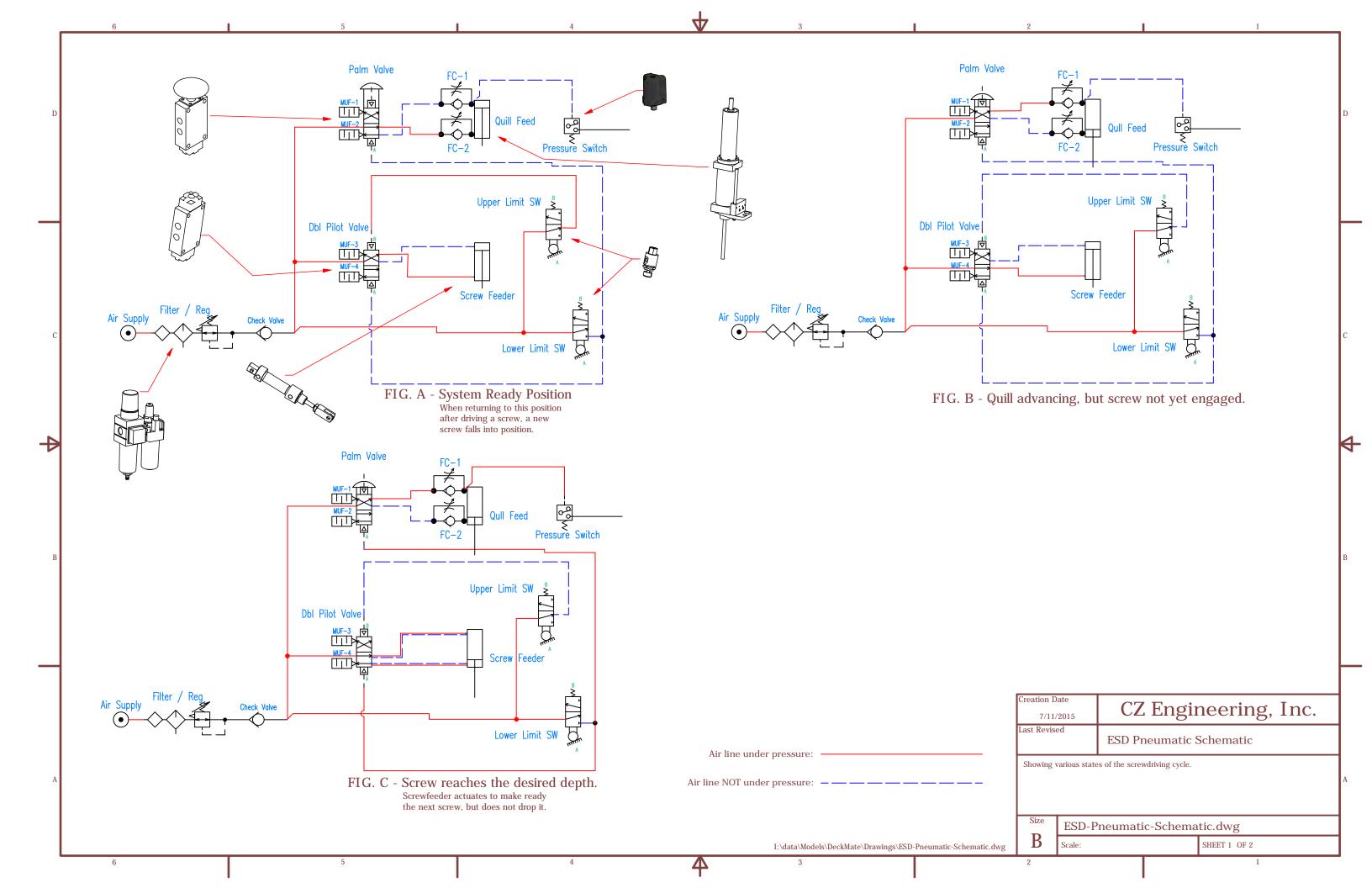


# Screw Feeder Setup



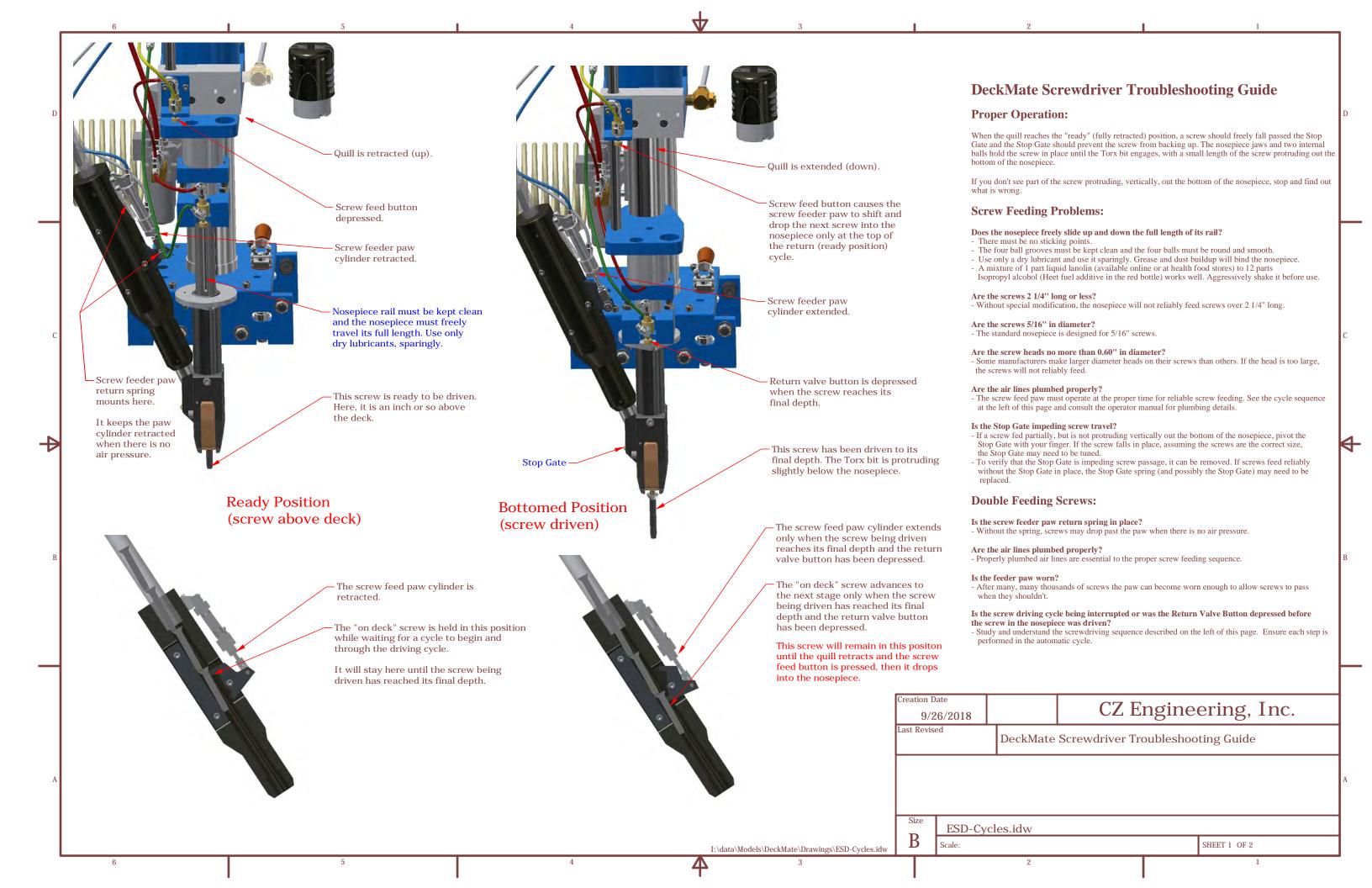


# Screw Feeder Setup



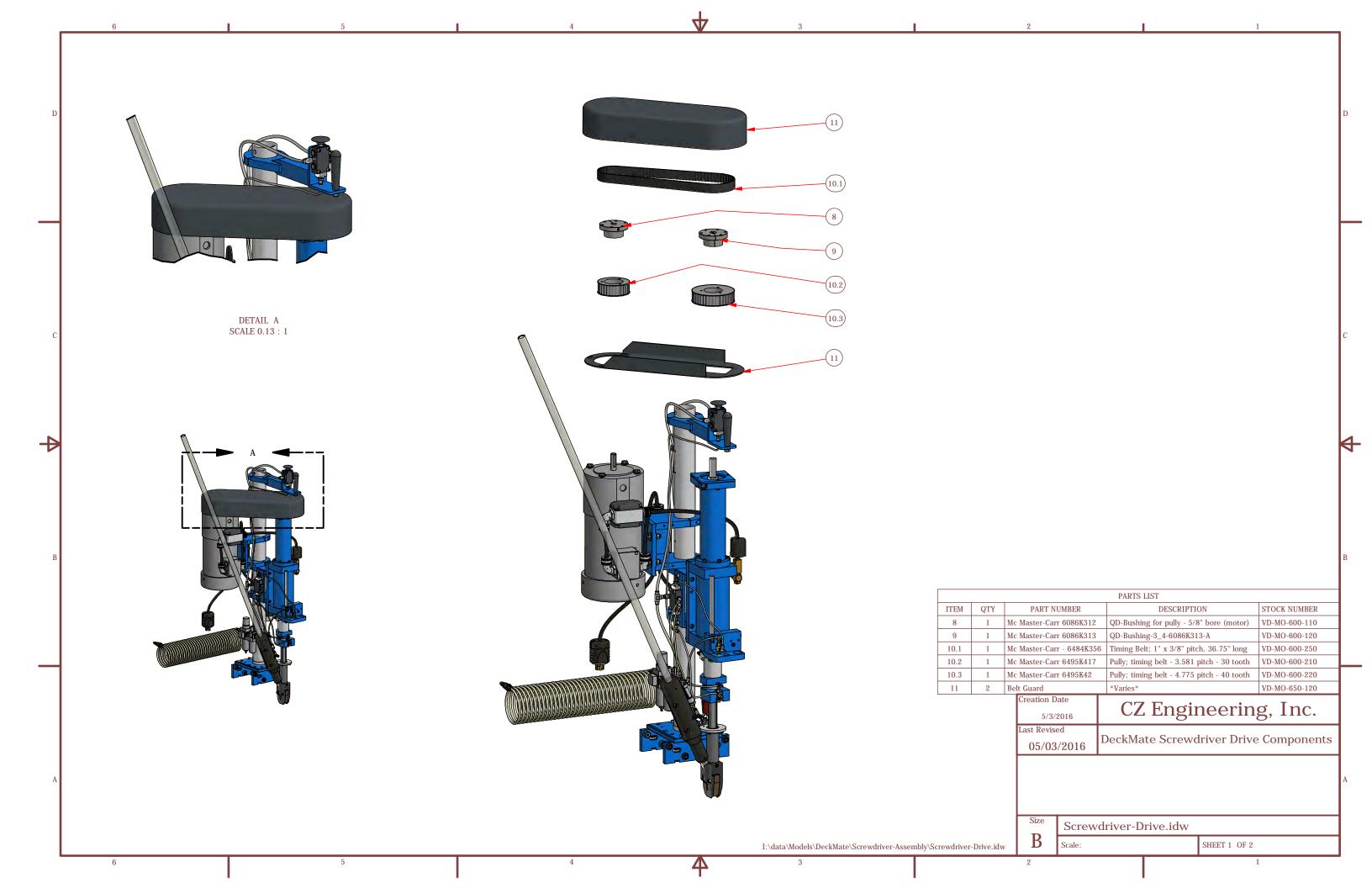


### **ESD Pneumatic Schematic**



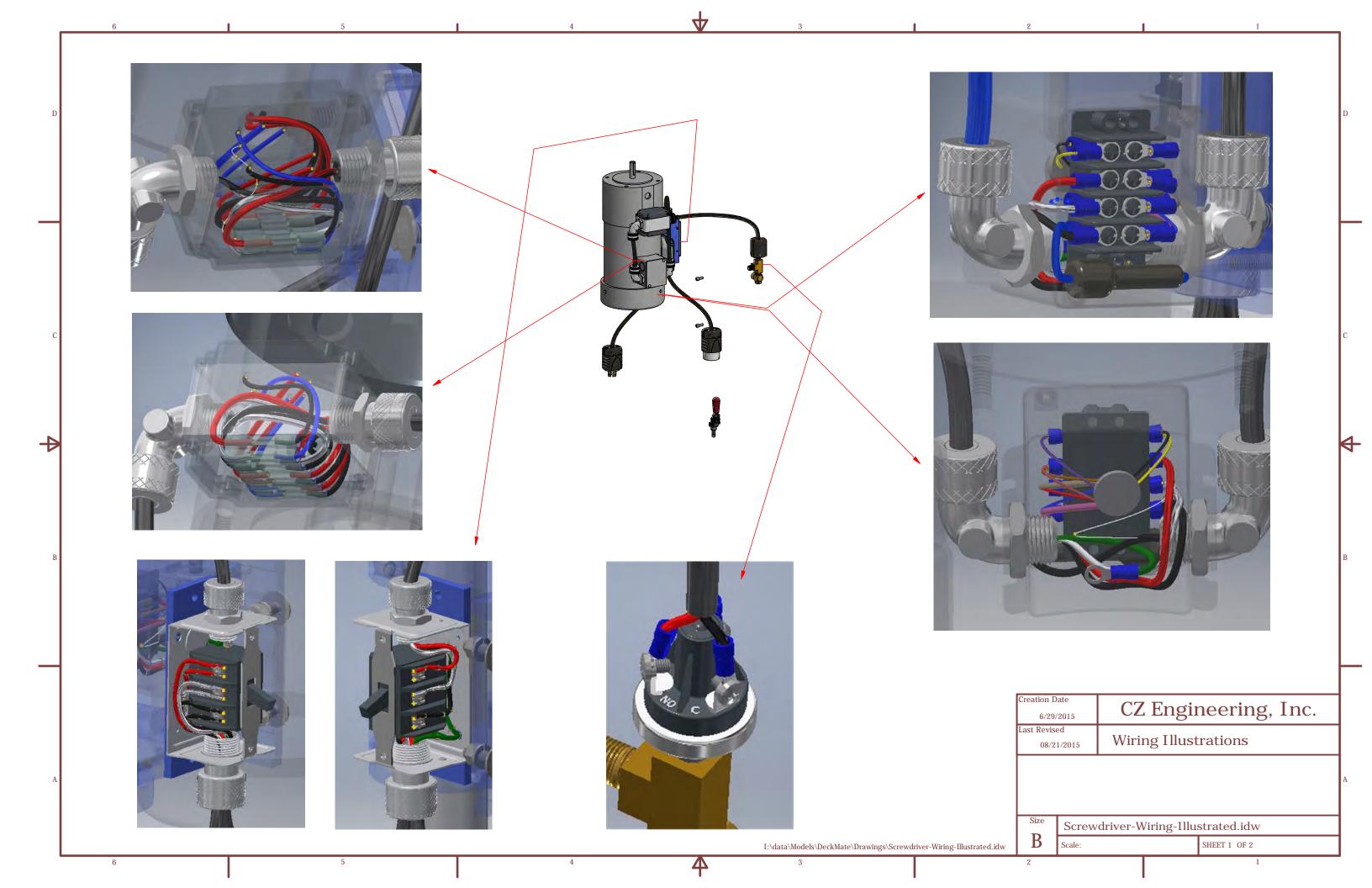
DeckMate Screwfeeding Cycle and Troubleshooting Guide





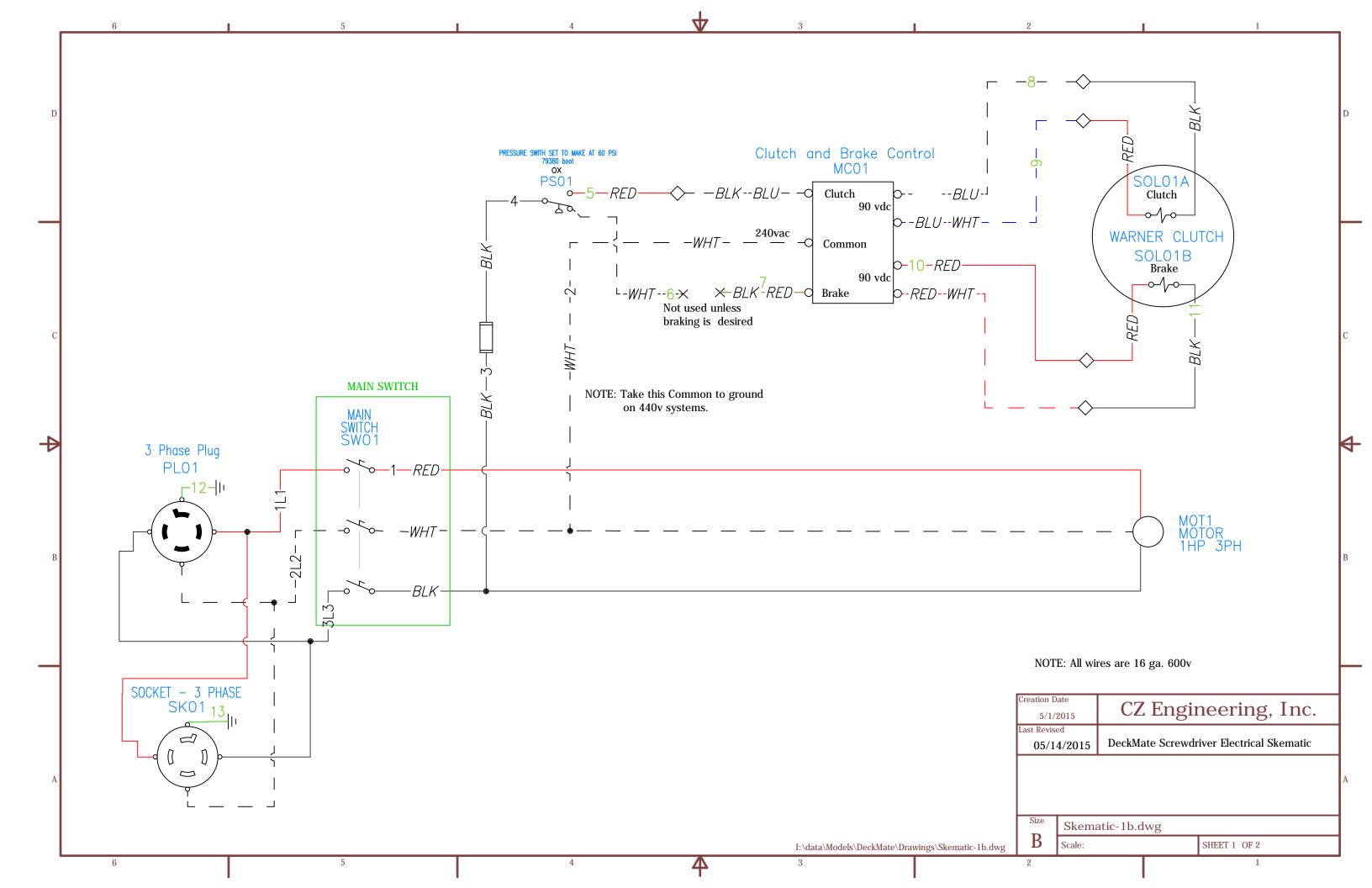


DeckMate Screwdriver Drive Components





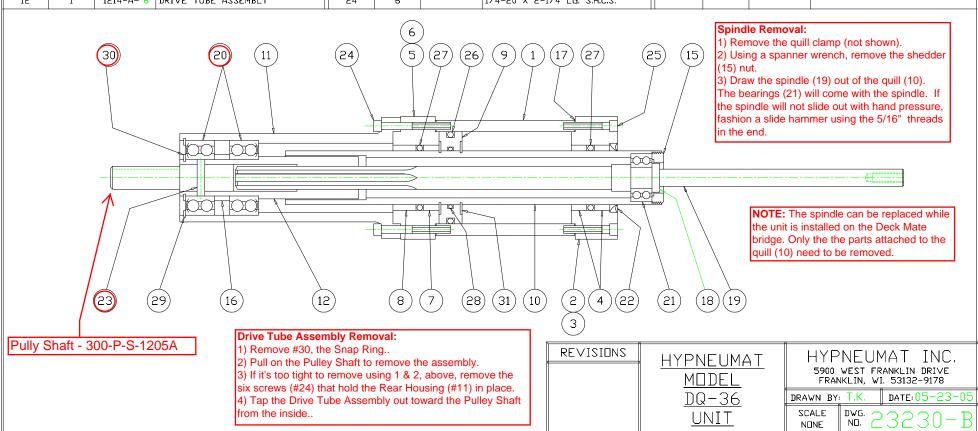
# Wiring Illustrations

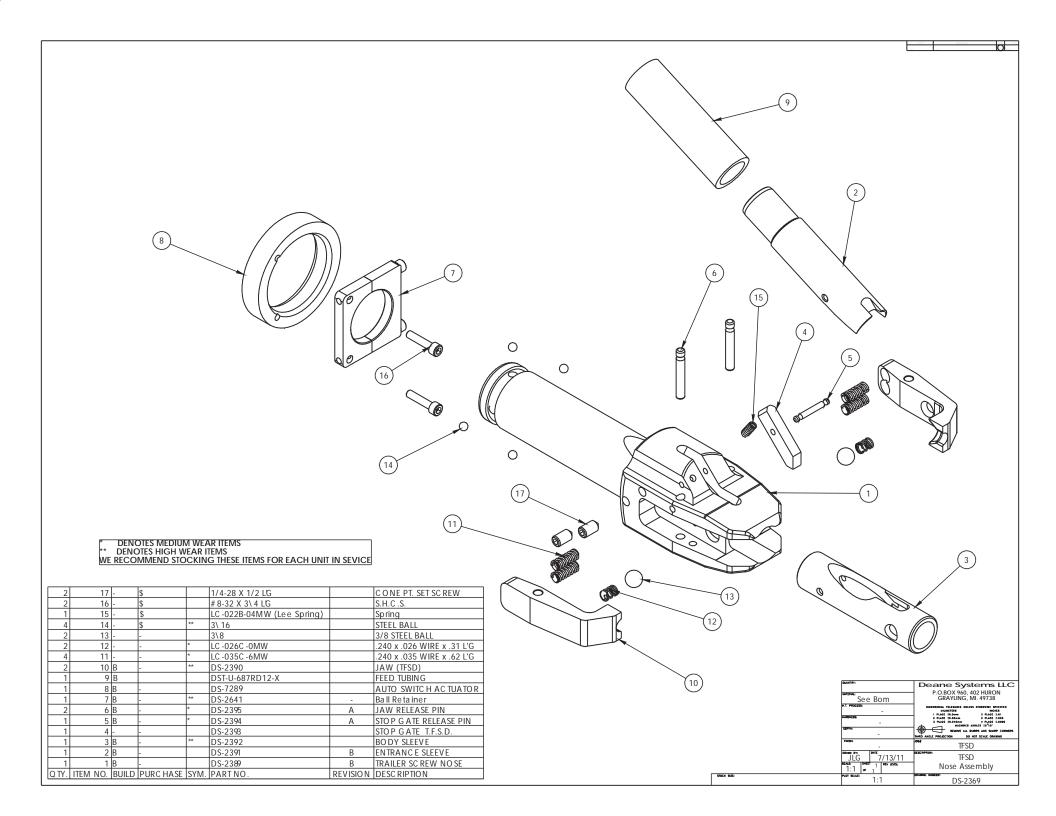


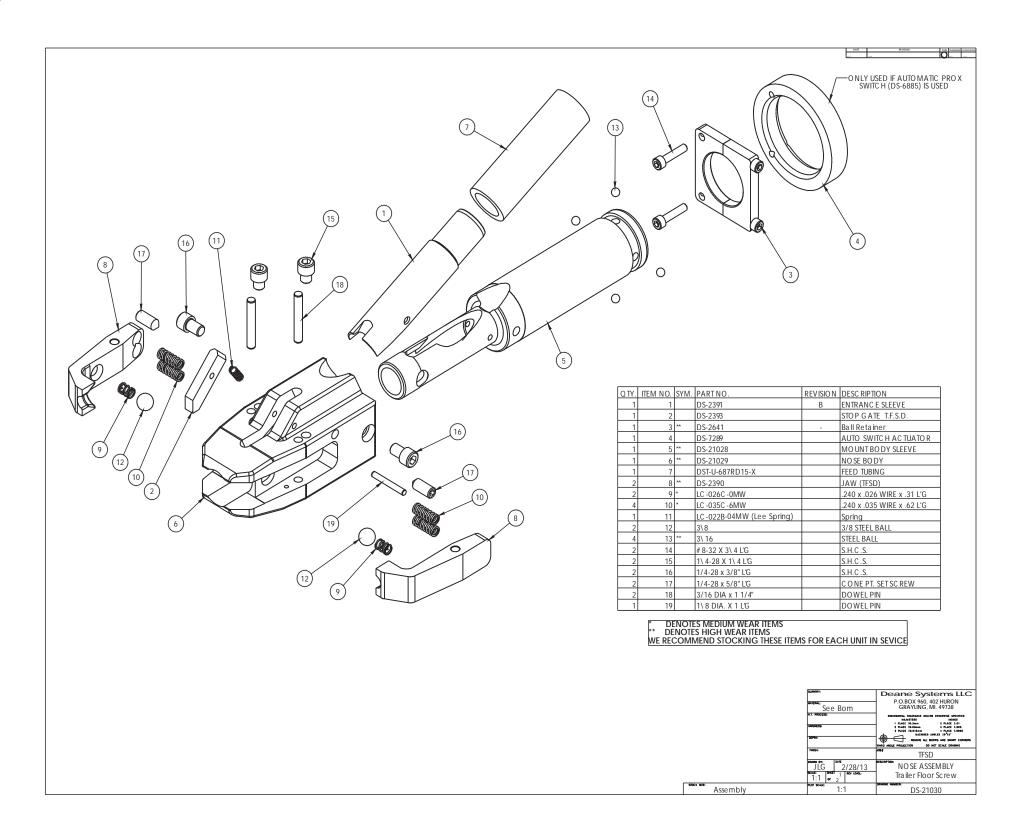


### DeckMate Screwdriver Electrical Schematic

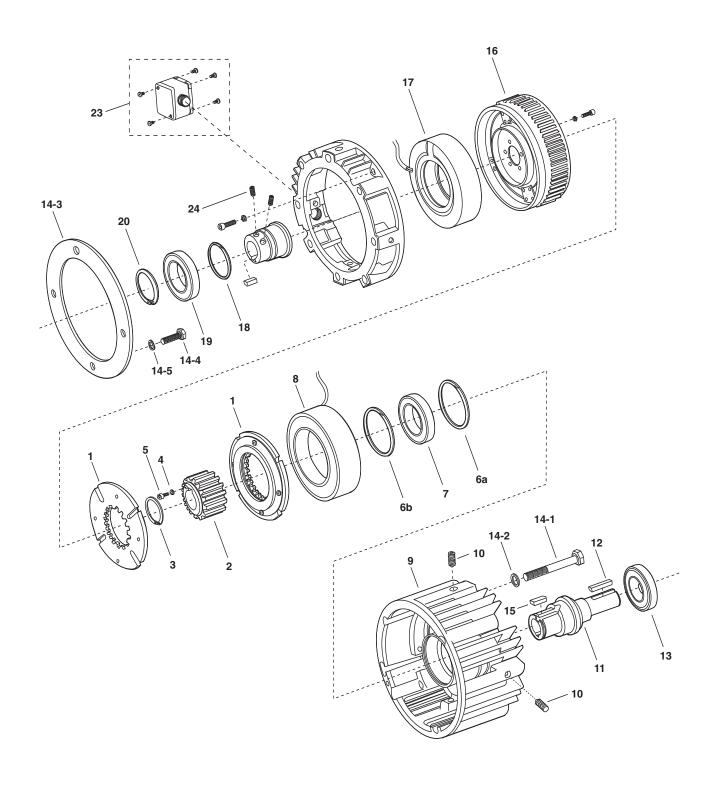
ITEM N□.	N□. REQ'D.	DRAWING ND.	PART DESCRIPTION	ITEM N□.	N□. REQʻD.	DRAWING NO.	PART DESCRIPTION	ITEM N□.	N□. REQ′D.	DRAWING N□.	PART DESCRIPTION
1	1	175-B	CYLINDER	13				25	6		1/4-20 X 1-1/2 LG. S.H.C.S.
2	1	363-B	FRONT HEAD ASSEMBLY	14				26	1		□-RING #AN6227B-37
3	1	355-B	FRONT HEAD	15	1	364-A	SHEDDER	27	2		□-RING #AN6227B-30
4	2	361-A	FRONT HEAD BUSHING	16	1	1236-A	SPACER	28	1		O-RING #AN6230B-2
5	1	1207-A	REAR HEAD ASSEMBLY	17	2	362-A	GASKET	29	1		#5000-244 SNAP RING
6	1	1204-B	REAR HEAD	18	1	366-A	BEARING RETAINER NUT	30	1		#5100-118 SNAP RING
7	1	361-A	REAR HEAD BUSHING (FRONT)	19	1	23229-B	SPINDLE	31	5		#5108-177 SNAP RING
8	1	1206-A	REAR HEAD BUSHING (REAR)	20	2		#5206-F BALL BEARING				
9	1	2108-A-0	PISTON	21	1		#5203-F BALL BEARING				
10	1	1233-B	QUILL	22	1		#T40400 QUILL WIPER				
11	1	1234-B	REAR HOUSING	53	1		DRIV-LOK PIN 1/4 DIA. X 1" LG.				
12	1	1214-A- <mark>6</mark>	DRIVE TUBE ASSEMBLY	24	6		1/4-20 X 2-1/4 LG. S.H.C.S.				







**UM-1020 Clutch/Brake Combination** 



**UM Series** 



#### **UM-1020 Clutch/Brake Combination**

#### **Component Parts**

		UM-50		UM-100		UM-180		UM-2	10	UM-215	
Item	Description	Part No.	Qty.	Part No.	Qty.	Part No.	Qty.	Part No.	Qty.	Part No.	Qty.
1	Armature Assembly	5370-111-011	2	5370-111-013	2	5370-111-013	2	5371-111-00	5 2	5371-111-005	5 2
2	Armature Hub	540-1638	1	540-1642	1	540-1642	1	540-0741	1	540-0741	1
3	Retaining Ring	748-0445	1	748-0676	1	748-0676	1				
4	Lockwasher							950-0372	6	950-0372	6
5	Capscrew							797-0081	6	797-0081	6
6a	Retaining Ring	748-0113	1	748-0101	1	748-0101	1	748-0112	1	748-0112	1
6b	Retaining Ring	748-0113	1								
7	Ball Bearing	166-0149	1	166-0101	1	166-0101	1	166-0142	1	166-0142	1
8	Magnet 6 volt 24 volt 90 volt	5370-631-008 blt 5370-631-010		1 5370-631-002 5370-631-005 5370-631-003		5370-631-005 5371-		5371-631-00 5371-631-00 5371-631-00	5	1 5371-631-002 5371-631-005 5371-631-003	
9	Housing	535-0165	1	535-0162	1	535-0162	1	535-0163	1	535-0163	1
10	Setscrew	797-0471	4	797-0471	4	797-0471	4	797-0471	4	797-0471	4
11	Shaft	798-0046	1	798-0128	1	798-0085	1	798-0051	1	798-0254	1
12	Key	590-0029	1	590-0029	1	590-0029	1	590-0019	1	590-0124	1
13	Ball Bearing	166-0155	1	166-0143	1	166-0143	1	166-0144	1	166-0144	1
14	Mounting Accessory 14-1 Capscrew 14-2 Washer 14-3 Adapter 14-4 Capscrew 14-5 Washer	5370-101-040 797-1378 950-0354	1 4 4	5370-101-040 797-1378 950-0354 807-0218	1 4 4 1	5370-101-040 797-1378 950-0354	1 4 4	5371-101-02 797-1440 950-0111 104-0321 797-1442 950-0101	0 1 4 4 1 4 4	5371-101-020 797-1440 950-0111 104-0321 797-1442 950-0101	1 4 4 1 4 4
15	Key	590-0043	1	590-0084	1	590-0084	1				
16	Rotor Assembly (with fan and hub)	5370-751-019	1	5370-751-022	1	5370-751-017	1	5371-751-01	2 1	5371-751-031	1
17	Field (with housing) 6 volt 24 volt 90 volt	5370-451-062 5370-451-064 5370-451-063	1	5370-451-057 5370-451-059 5370-451-058	1	5370-451-057 5370-451-059 5370-451-058	1	5371-451-02 5371-451-02 5371-451-02	9	5371-451-027 5371-451-029 5371-451-028	9
18	Retaining Ring	748-0101	1	748-0101	1	748-0101	1	748-0558	1	748-0558	1
19	Bearing	166-0150	1	166-0101	1	166-0101	1	166-0168	1	166-0168	1
20	Retaining Ring	748-0018	1	748-0001	1	748-0001	1	748-0067	1	748-0067	1
23	Conduit Box (Optional)	5370-101-042	1	5370-101-042	1	5370-101-042	1	5370-101-04	2 1	5370-101-042	2 1
24	Set Screw	797-1098	2	797-0069	2	797-0069	2	797-1098	2	797-1098	2
	Key	5370-101-072	1	5370-101-072	1	5370-101-072	1	5371-101-04	3 1	5371-101-044	1 1

Refer to Service Manual P-213.

These units meet the standards of UL 508 and are listed under guide card #NMTR 2, file #59164. These units are CSA certified under file #LR11543.

**Note:** As of June, 2000 all rotors are manufactured as a single piece design. The rotor assembly part number remains the same and now includes the hub and set screws.