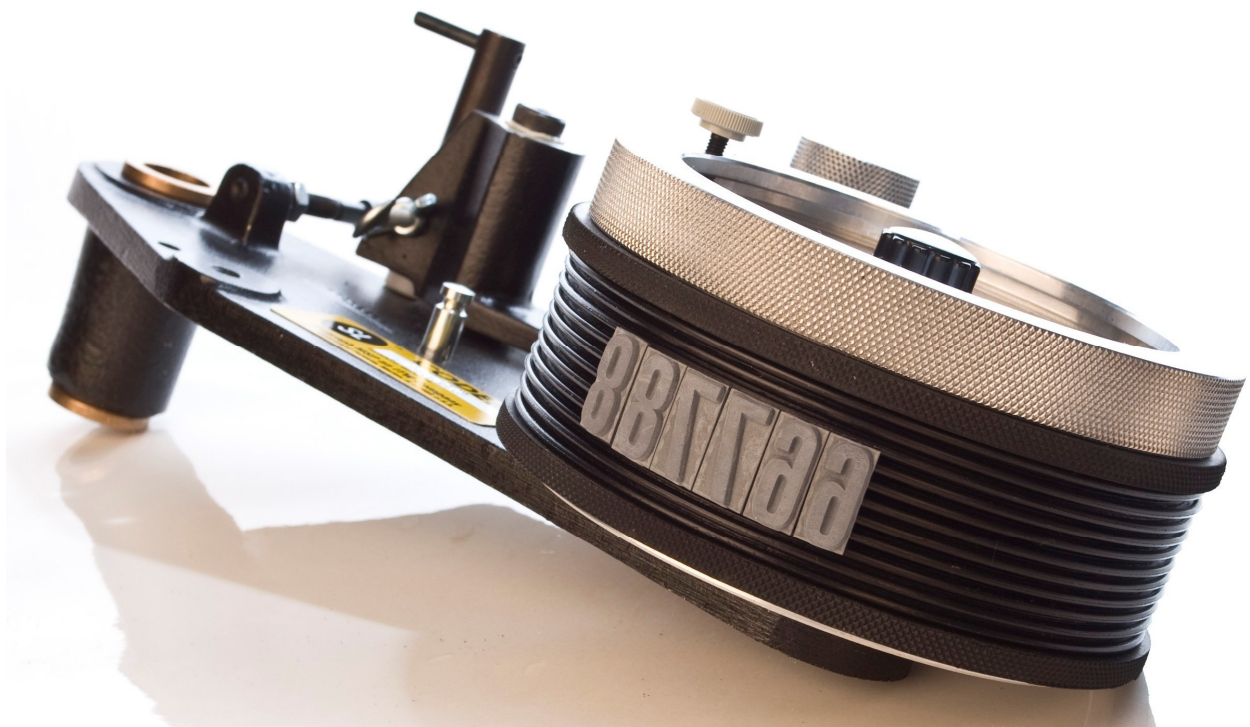




# SL-C CODER

## *PARTS LIST AND OPERATING INSTRUCTIONS*



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## INSTALLATION

1. The SL-C Coder should be mounted so that the object to be printed contacts the die wheel with about 1/4" interference (see figure 1).



NOTE: The SL-C Coder is presently set for left-hand mounting (see figure 4A.)

2. The mounting bracket assembly should be attached flush to the parent machine so the die wheel is parallel to the surface to be printed. When there are obstacles to mounting the SL-C Coder directly to the parent machine, secure the SL-C Coder mounting bracket to a slotted angle iron and then attach to the parent machine.
3. Light cases or objects not printed in the compressing section of a case sealer may require a support guide opposite the die wheel to keep cases or objects from shifting during the imprinting operation.

## OPERATING INSTRUCTIONS

1. DiLok Type Changes—Loosen die wheel nut (#16, Figure 1) at the top of the die wheel to release DiLok Rings for easy insertion or removal of type. After type change is complete, be sure type is seated on DiLok rings and securely tighten die wheel nut.
2. XLM, Didark, and Foam Ink Cartridge Replacement (see page 13) - Remove cartridge from ink roll shaft and install new or re-inked cartridge on shaft.
3. Adjustment of inking cartridge against type - The ink roller assembly is mounted on an adjustable spring-loaded bracket. Loosen wing nut, which locks adjustable thumb screw on bracket. Turn screw in or out, depending on adjustment required. When adjustment is correct, tighten wing nut. Light contact is all that is needed.
4. Adjustment for pressure against object to be imprinted (see figure 1) - To obtain more printing pressure, place spring in a hole position farther to the end of the return arm (#1g).

## **MAINTENANCE**

1. To change type, cartridge, or for service, move the unit away from the carton flow. A quick and simple means is provided in the unit's design as follows (see Figure 3). Grasp the Base Plate (#13) at the mounting end and lift upward away from the mounting bracket assembly (#1) until the angled collar (1d) is clear of the mounting bracket. Swivel the unit until clear of carton flow. The unit can now be serviced as needed. Return the unit to its original position with the angled surfaces touching. The unit is now in its original print position.
2. The unit and type must be kept clean for good imprinting!
3. No hydrocarbon solvents should be permitted in contact with the rubber type or roller. To prevent damage to type or cartridges use only inks or cleaners recommended by Dia-graph MSP.

## PROBLEMS AND CORRECTIONS

### PARTIAL IMPRESSIONS

1. Check the cartridge and type contact for complete inking.
2. Check cartridge for sufficient ink.
3. Check for worn, damaged, or improperly seated type.
4. Check SL-C Coder for sufficient pressure against object to be printed.
5. Check that die wheel imprint surface is parallel to surface being printed.
6. Make certain SL-C Coder is mounted rigidly.

### VERY HEAVY IMPRESSIONS

1. Check excessive pressure between ink roll and type face.
2. Check for over-inked system.

### LOCATION OF IMPRESSION WANDERS WITH RELATION TO OBJECT BEING PRINTED (See Figures 1 & 2)

1. Check for loose thumb screw on die wheel nut.
2. Check for insufficient pressure between SL-C Coder and object to be printed.
3. Check that die wheel nut (#16) holding type holders is tight.
4. Check for loose hex nut (see Figure 2).

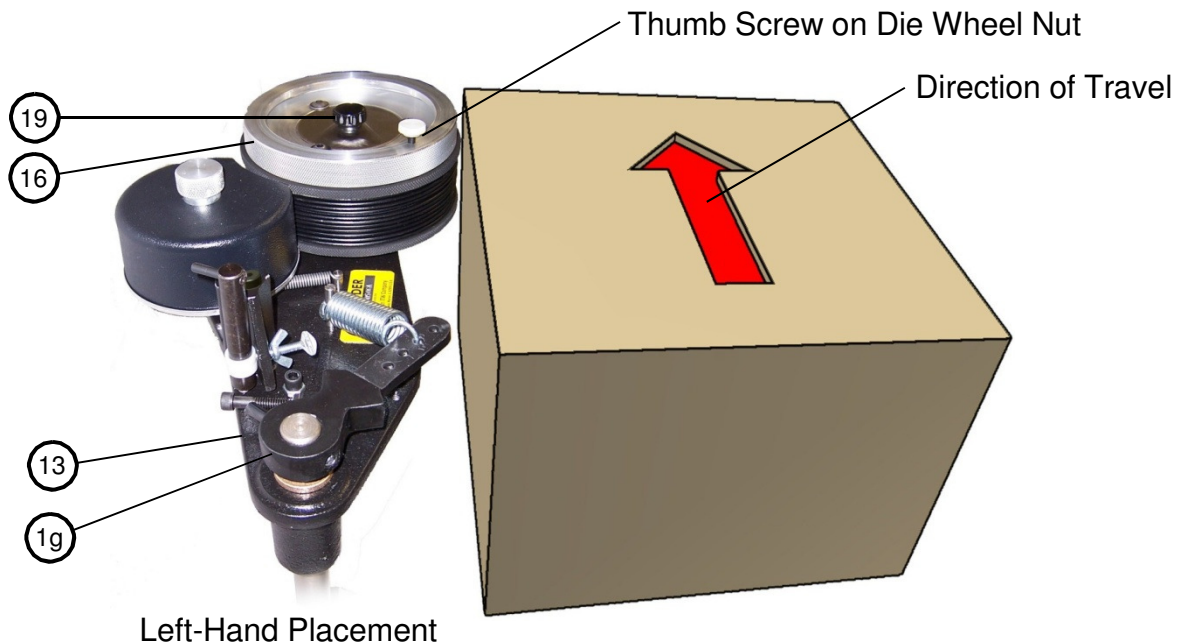


FIGURE 1

## **INSTRUCTIONS FOR MOUNTING NEW DIE WHEEL ASSEMBLY AND DIE WHEEL SHAFT AND ROTOR ASSEMBLY (Figure 2)**

1. Remove plastic cap and bottom hex nut.
2. Loosen thumb screw (#15) approximately 1/4". Tap screw lightly to break die wheel loose from shaft.
3. Remove thumb screw (#15) and die wheel assembly (#18).
4. Remove nut and compression spring from Spring Return Assembly (#20).



**CAUTION:** This nut is under slight spring tension and should be removed with a nut driver or socket wrench to prevent injury.

5. Remove shaft and rotor assembly (#19) from the coder bearing.
6. Install new shaft and rotor assembly into the coder bearing.
7. Replace Hex Nut.
8. Replace compression spring and nut on Spring Return Assembly (#20).



**IMPORTANT!** Use nut driver to replace nut since the spring must be compressed during installation.

9. Replace new die wheel assembly (#18).
10. Replace thumb screw (#15)

FOR ILLUSTRATION PURPOSES ONLY. REFER TO FIGURE 3 FOR PARTS BREAKDOWN OF ITEMS REQUIRED.

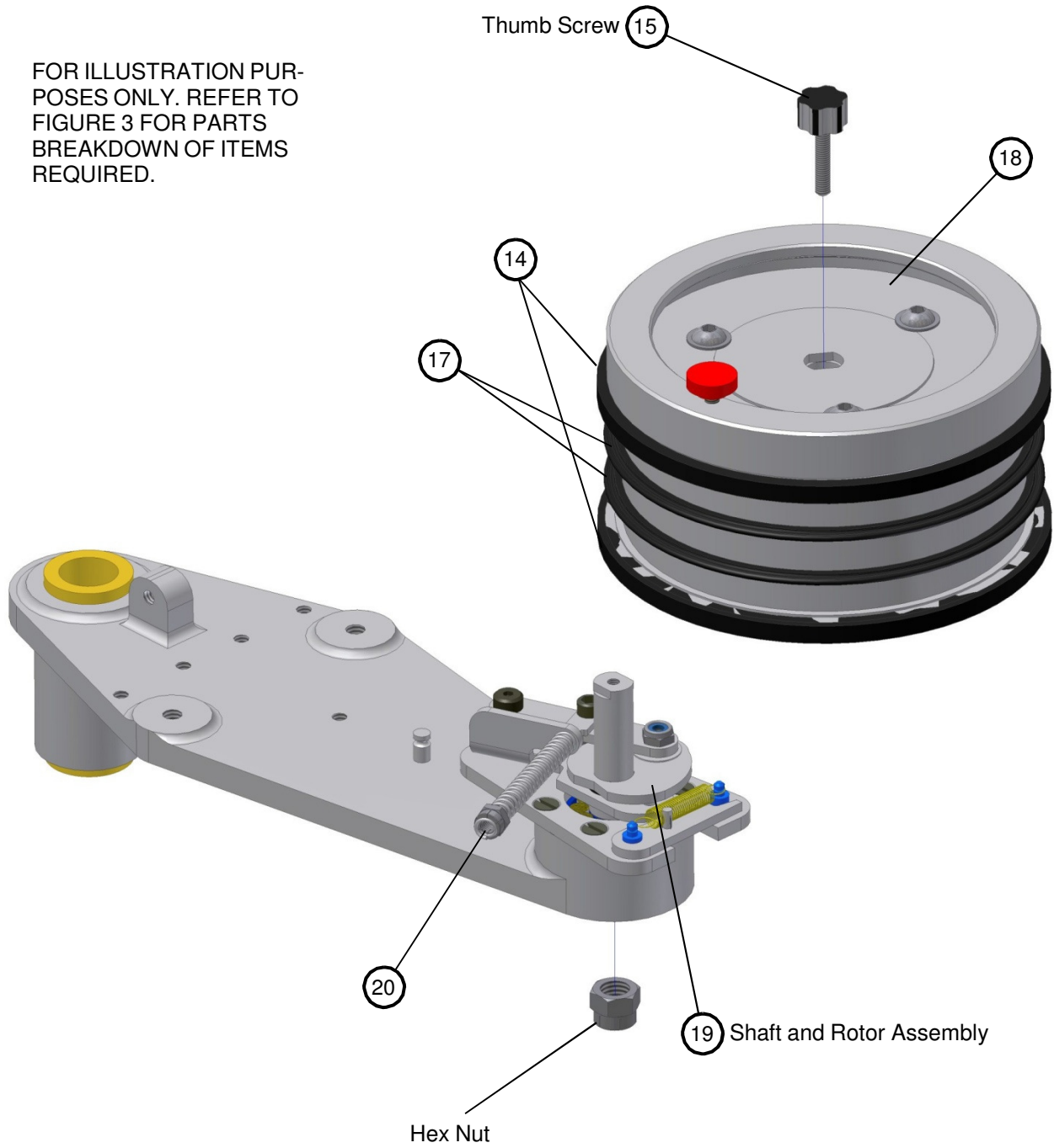


FIGURE 2

TABLE 1

**Repair Parts List**

REF. NO.	STOCK NO.	DESCRIPTION	NO. REQ'D.
1	1730-820	a Collar, Clamp Tite	1 Assembly
		b Spring Sleeve	
		c Mounting Bracket Assy.	
		d Collar (Includes screw)	
		e Shaft, Support	
		f Roll-Pin 1/4 x 2	
		g Arm, Return	
8	1789-044	Spring	1
9	1709-008	Ring, Retaining	1
10	1781-802	Dust Cover & Arm Assy. #1	1
	1782-802	Dust Cover & Arm Assy. #2	
	1783-802	Dust Cover & Arm Assy. #3	
11	1789-008	Shaft, Pivot Arm	1
12	1789-002	Pin, Retainer	1
13	1789-804	Base Plate Assy.	1
14	1709-802	Bearer, Rubber DiLok	2
	1709-022	Bearer, Aluminum DiLok	
15	1709-827	Screw, Thumb	1
16	1709-078	Nut, Die Wheel	1
17	1709-003	Ring, DiLok	A/R
18	1780-812	Die Wheel & Washer Assy. #1	1
	1780-813	Die Wheel & Washer Assy. #2	
	1780-814	Die Wheel & Washer Assy. #3	
19	1780-809	Shaft & Rotor Assy. #1	1
	1780-810	Shaft & Rotor Assy. #2	
	1780-811	Shaft & Rotor Assy. #3	
20	1780-805	Spring, Return Assy.	1
21	5191-506	Screw, 8-32 x 7/16 Flat Head	4
22	1709-017	Spring, Latch	1
23	1789-805	Latch Assy.	1
24	1789-806	Base Assy.	1
25	1730-803	Cartridge Cam Assembly	1
26	5082-016	1/4-20 x 1 3/4 Socket Head Screw	1



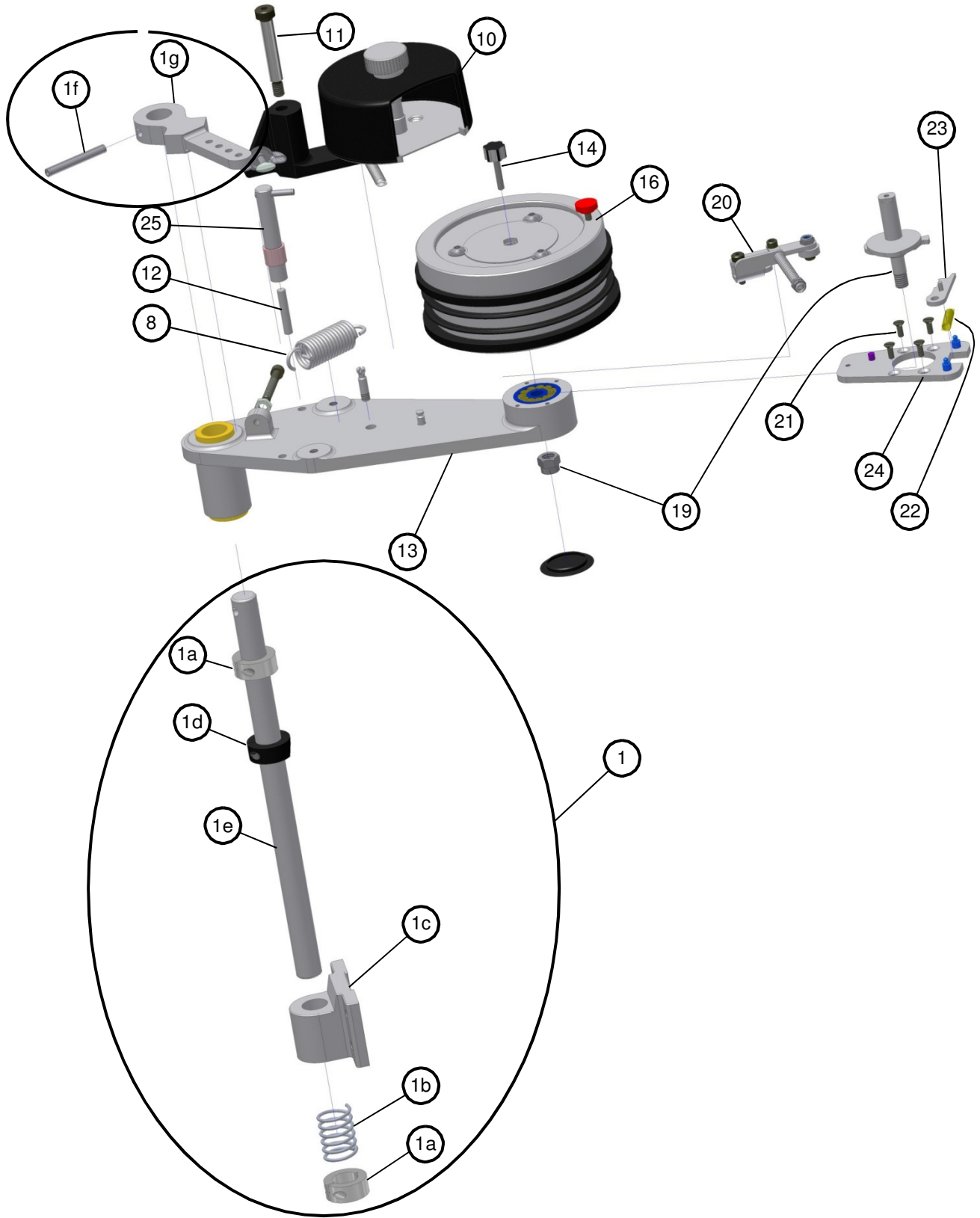


FIGURE 3

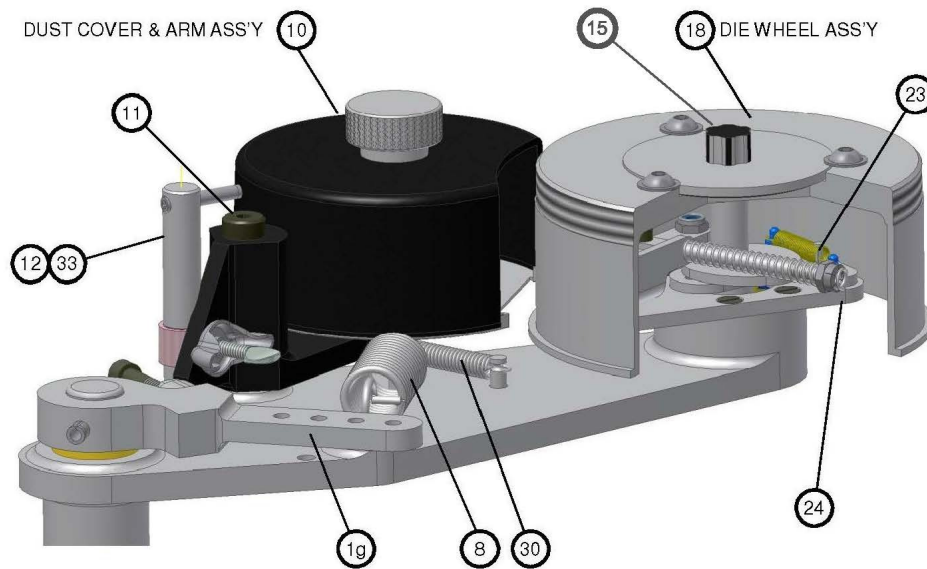


FIGURE 5A LEFT HAND (STANDARD FACTORY SET)

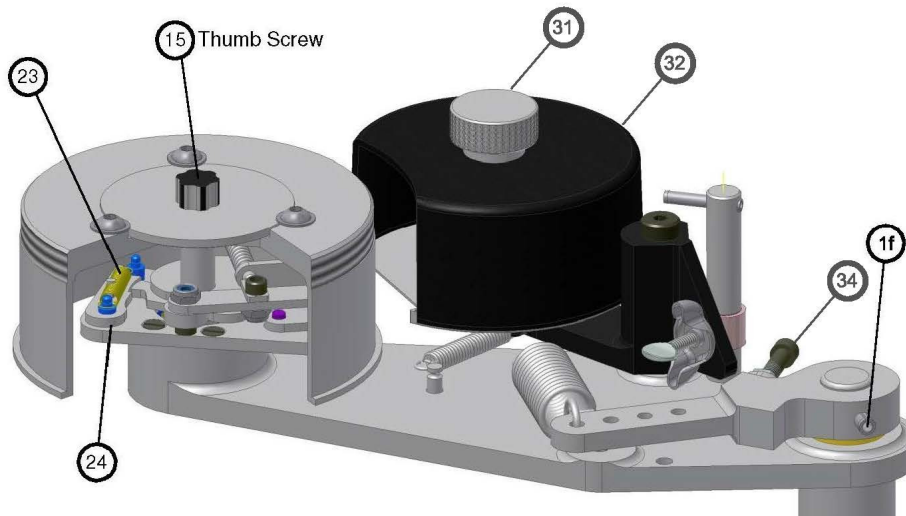


FIGURE 5B RIGHT HAND

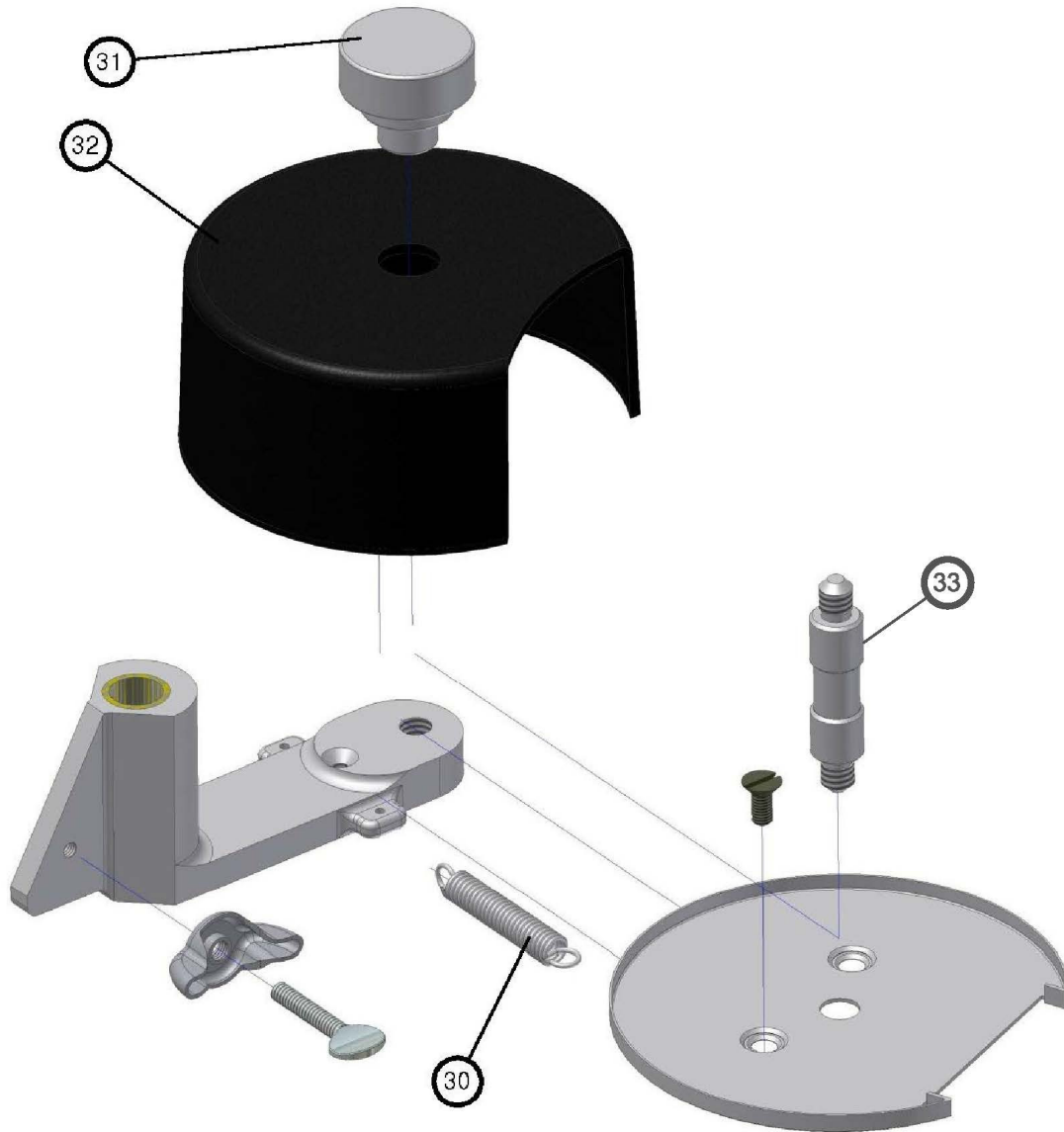


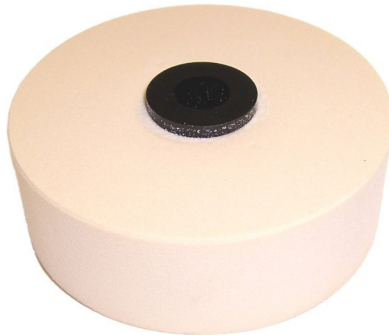
FIGURE 6

TABLE 2

<b>DUST COVER &amp; ARM ASSY: #1=1781-802, #2=1782-802, #3=1783-802</b>			
<b>REF. NO.</b>	<b>STOCK NO.</b>	<b>DESCRIPTION</b>	<b>NO. REQ'D.</b>
30	1789-005	Spring	1
31	1789-062	Knob	1
32	1781-002	Dust Cover #1	1
	1781-103	Dust Cover #2	
	1781-004	Dust Cover #3	
33	1781-005	Ink Roll Shaft #1	1
	1781-106	Ink Roll Shaft #2	
	1781-107	Ink Roll Shaft #3	

Table 3

### Model SL-C Cartridges



XLM



FOAM



MICRO-X

<b>XLM INK CARTRIDGE</b>		
1719-100	Cartridge, XLM #1 Uninked	1
1719-101	Cartridge, XLM #1 Black	1
1719-200	Cartridge, XLM #2 Uninked	1
1719-201	Cartridge, XLM #2 Black	1
1719-300	Cartridge, XLM #3 Uninked	1
1719-301	Cartridge, XLM #3 Black	1
<b>FOAM CARTIDGE</b>		
1717-801	Cartridge, Foam #1	1
1717-802	Cartridge, Foam #2	1
1717-803	Cartridge, Foam #3	1
<b>MICRO-X CARTRIDGE</b>		
1701-401	Cartridge, Micro-X #1 Black	A/R
1702-401	Cartridge, Micro-X #2 Black	A/R