DURAN
WHEATON
KIMBLE
Excellence in your hands

WHEATON® 8-20mm EZ-Decapper™

Instruction Manual



Catalog Numbers:

W225350-W225353

Warranty

DWK Life Sciences warrants this product to be free from defects in material and workmanship for a period of two (2) years from the date of shipment. If repair or adjustment is necessary within the warranty period and has not been the result of mishandling or abuse, you may return the unit freight prepaid, provided that return authorization has been obtained. DWK Life Sciences will correct the defect or adjust the unit at no charge.

Items returned for repair or adjustment should be packed very carefully to prevent damage in transit and also should be insured for your protection. Should damage occur in transit, all claims should be made against the carrier. The shipping carton should not be discarded but retained until inspection by a representative of the carrier is made.

DWK Life Sciences will repair or adjust out-of-warranty products at a nominal charge

General Safety Instructions

Note: Even the safest equipment can cause injury if the user is careless

1. **Know Your Instrument** - Read the operating manual carefully. Learn the equipment's application and limitations as well as the specific potential hazards peculiar to this instrument.

2. **Ground All Equipment** - If electrical, this instrument is equipped with an approved 3-conductor cord and a 3-prong grounding type plug to fit the proper grounding type receptacle. The green conductor in the cord is the grounding wire, and should never be connected to a live terminal.

3. **Avoid Dangerous Environment** - Electrical instruments designed to process liquids must be operated with extreme caution. If liquid comes in contact with internal components or wires, fire or electric shock may occur. Adequate surrounding workspace should be provided during use. Do not operate electrical instrumentation in a combustible atmosphere.

4. **Work Surface** - Keep area well lighted. Be certain the work surface is clean, level, and sturdy enough to support the weight of the unit, particularly if it is to be filled with liquid.

5. **Wear Proper Apparel** - Do not wear loose clothing, neckties, or jewelry that might get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.

6. **Wear Safety Goggles** - Wear safety goggles at all times. Everyday eyeglasses only have impact resistant lenses; they are NOT safety glasses.

7. **Don't Overreach** - Keep proper footing and balance at all times. Do not place instrument in an area or position that would hinder access to or proper operation of the instrument.

8. **Maintain Instrument with Care** - Keep screws tight and unit clean. Check periodically for worn or damaged parts. Inspect the plug and cord before each use. Do not operate this instrument if there are signs of damage.
9. **Avoid Accidental Startup** - If electrical, always make sure switch is in the “OFF” position before plugging the instrument into outlet.
10. **Disconnect Instrument** - Always disconnect the instrument from the power source before servicing.
11. **Do Not Block Cooling Vents if Provided.**
12. **Do Not Operate This Equipment in Any Manner Not Specified in This Manual.**
13. **Keep the Operating Manual** - Keep the operating manual for this instrument in a safe place near the instrument for quick and easy reference.
14. **Fire Extinguisher** - It is recommended that a fire extinguisher always be located in areas where electrical instruments are being used.

Safety Symbols Used In This Manual



A **WARNING** symbol indicates attention to an operation which can cause operator injury, improper function of or damage to the equipment and possible problems with the process.



An **ELECTRICAL DANGER** symbol indicates attention to an operation which could cause electrocution or severe injury.

Introduction

The WHEATON® E-Z Decapper™ is a precision manufactured tool designed for removing one-piece lined aluminum seals and aluminum seals with stoppers that have been crimped on serum bottles and vials. A variety of sizes are available to accommodate a wide range of aluminum closures. The new cast aluminum housing provides a lightweight, ergonomic design and offers unmatched reliability.

Operation (Refer to Figure A)



WARNING! Personal injury may result if the E-Z Decapper™ is used carelessly. Keep hands and fingers away from the E-Z Decapper™ jaws when operating the E-Z Decapper™.

WARNING! Placing excessive pressure on a glass vial may cause it to shatter, leading to serious injury. Never twist or turn a glass vial when de-capping.



IMPORTANT! Prior to operation, the E-Z Decapper™ must be adjusted to achieve full removal of the seal. This is due to the differences between various combinations of seals, septum and vials.

The E-Z Crimper™ may be autoclaved to 121°C. Autoclaving may change the appearance and or reduce product life. The crimper jaws should be cleaned and lubricated approx. Every 5,000 crimping operations or sooner if the E-Z Crimper™ industrial spray lubricant or similar spray lubricant may be used.is under constant heavy use or when used in corrosive atmospheres. Any



1. Place the open jaws around the aluminum seal and let the weight of the E-Z Decapper™ rest on top of the seal. Make sure that the E-Z Decapper™ handle is perpendicular to the vial.

2. Squeeze the E-Z Decapper™ handles until the handle comes in contact with the stop. Avoid tilting the E-Z Decapper™ before and during squeezing of the handles to assure clean and even seal removal.

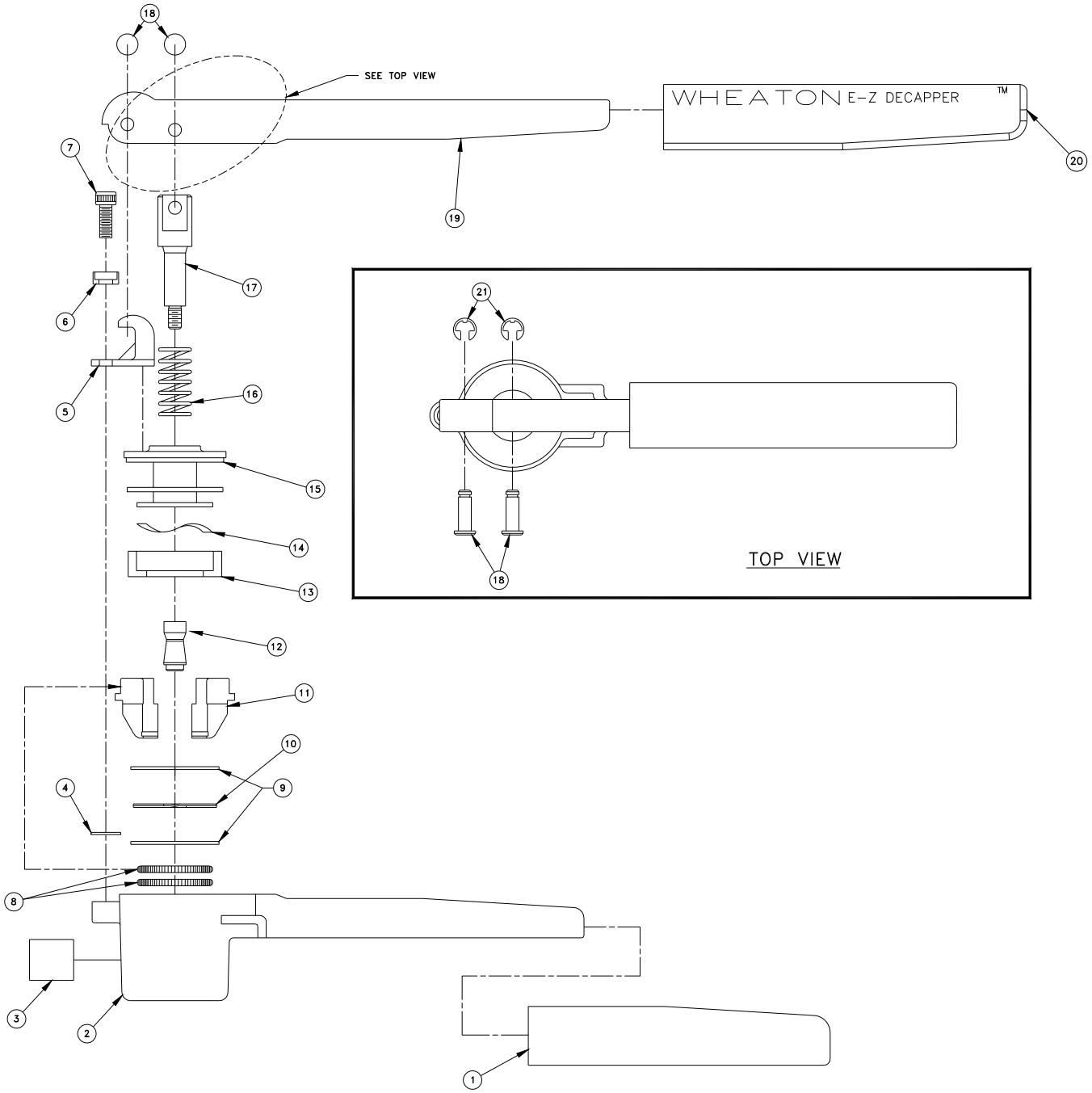


Figure A

FIGURE A – Hand Operated E-Z Decapper™ 8 & 11mm

ITEM	QTY.	DWK NO.	DESCRIPTION
1	1	50083139	GRIP, LOWER - DECAPPER, GREEN
2	1	I050012	HOUSING, DIE CAST – CRIMPER
3	1	60098415	IDENTIFICATION LABEL-EZ CRIMPER/DECAPPER
4	1	50027861	SPACER,SS .032 THK
5	1	I050069	HOOK,INVESTMENT CAST-HAND CRIMPER
6	1	50028774	WASHER,C BORED,HAND CRIMPER
7	1	50028775	SCW,10-32X1/2,PSHM CAP,GRADE 8
8	2	50027832	SPRING,GARTER
9	2	50027827	RING,DECAPPER
10	1	50027859	RING,SPIRAL METRIC
11A	1 SET	50027843	JAW SET, 8 MM HAND DECAPPER (1 Set of 4)
11B	1 SET	WI052663	JAW SET, 11 MM HAND DECAPPER (1 Set of 4)
12A	1	50027840	8 MM PLUNGER – DECAPPER
12B	1	50027864	PLUNGER - 11 MM HAND DECAPPER
13	1	50027830	COLLAR, WAVE SPRING
14	1	50027856	SPRING,WAVE
15	1	50027836	BARREL, GARTER SPRING, PLATED
16	1	50028781	SPRING,COMPRESSION,LARGE
17	1	50028735	1/2" PLUNGER ROD - HAND CRIMPER
18	2	50028814	PIN, PIVOT - HAND CRIMPER
19	1	50028741	HANDLE, UPPER, DIE CAST – CRIMPER
20	1	50083138	GRIP, UPPER - DECAPPER, GREEN
21	2	I054513	WALDES RNG SM8-28 204007

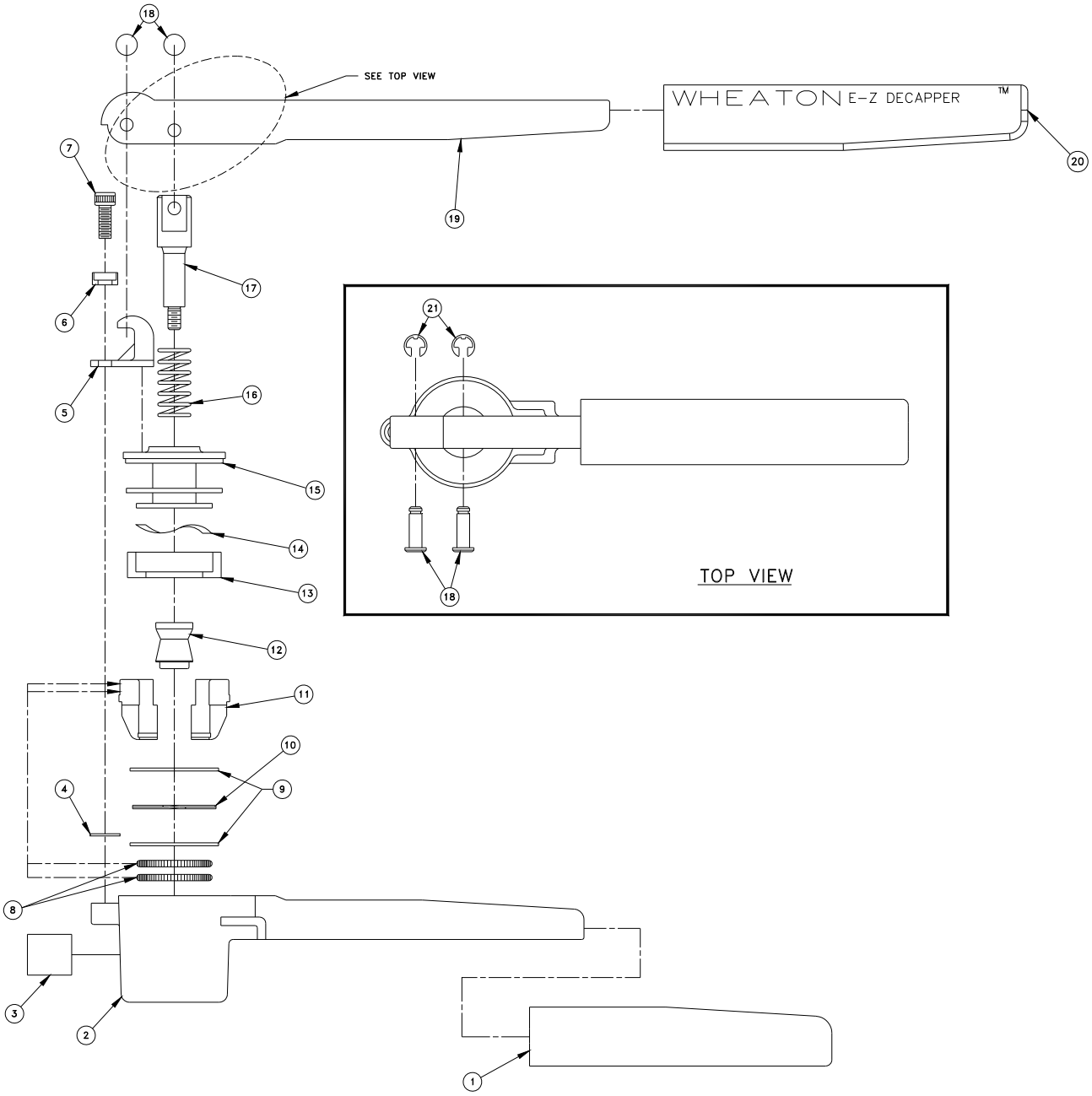

SEE TOP VIEW
WHEATON E-Z DECAPPER ™
TOP VIEW
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Figure B

FIGURE B – Hand Operated E-Z Decapper™ 13mm

ITEM	QTY.	DWK NO.	DESCRIPTION
1	1	50083139	GRIP, LOWER - DECAPPER, GREEN
2	1	I050012	HOUSING, DIE CAST – CRIMPER
3	1	60098415	IDENTIFICATION LABEL-EZ CRIMPER/DECAPPER
4	1	50027861	SPACER,SS .032 THK
5	1	I050069	HOOK,INVESTMENT CAST-HAND CRIMPER
6	1	50028774	WASHER,C BORED,HAND CRIMPER
7	1	50028775	SCW,10-32X1/2,PSHM CAP,GRADE 8
8	2	50027832	SPRING,GARTER
9	2	50027827	RING,DECAPPER
10	1	50027859	RING,SPIRAL METRIC
11	1 SET	50027870	JAW SET, 13 MM HAND DECAPPER
12	1	50027867	13 MM PLUNGER, DECAPPER
13	1	50027830	COLLAR, WAVE SPRING
14	1	50027856	SPRING,WAVE
15	1	50027836	BARREL, GARTER SPRING, PLATED
16	1	50027873	SPRING,COMPRESSION,STIFF
17	1	50028735	1/2" PLUNGER ROD - HAND CRIMPER
18	2	50028814	PIN, PIVOT - HAND CRIMPER
19	1	50028741	HANDLE, UPPER, DIE CAST – CRIMPER
20	1	50083138	GRIP, UPPER - DECAPPER, GREEN
21	2	I054513	WALDES RNG SM8-28 204007

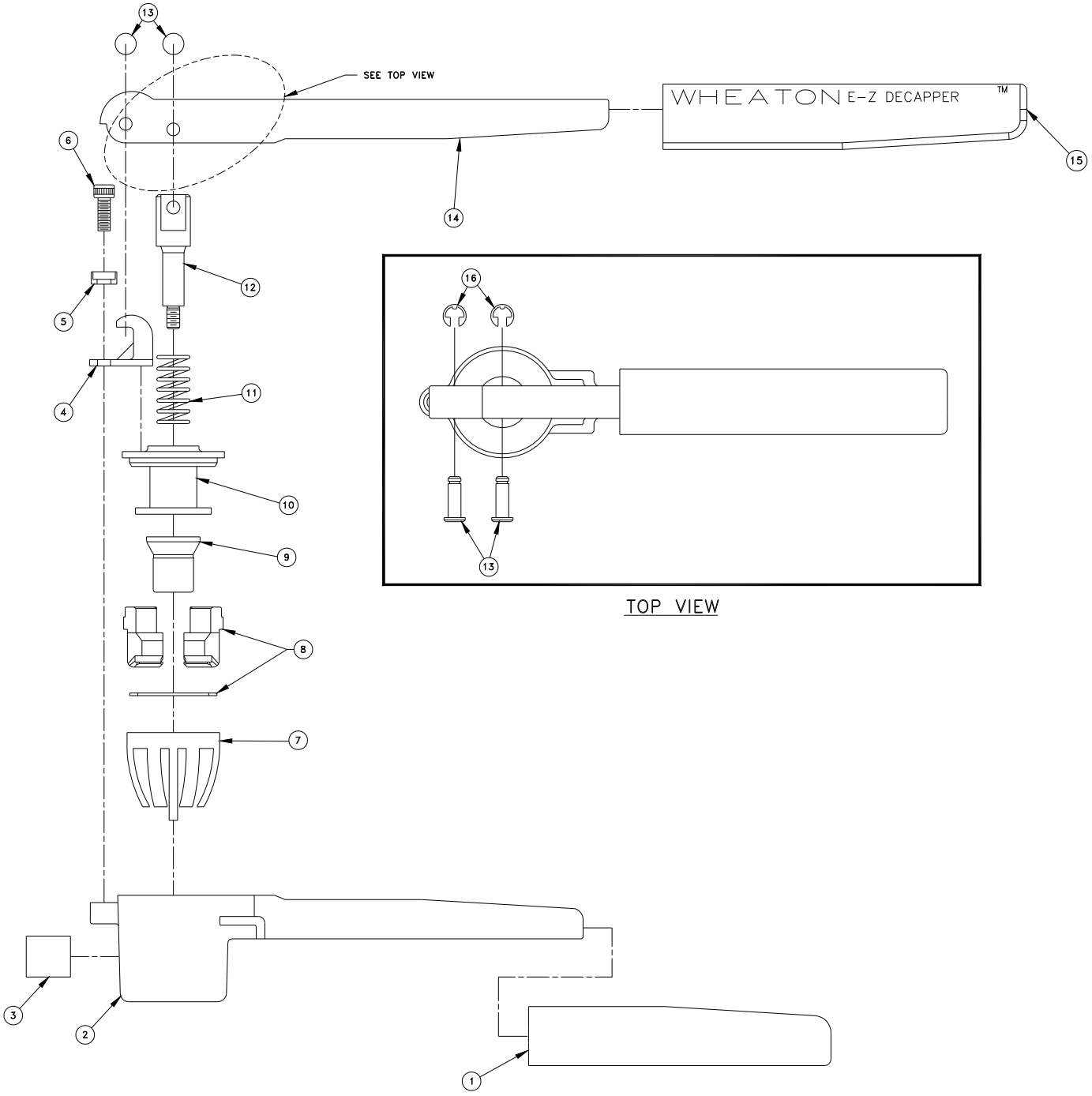


Figure C

FIGURE C – Hand Operated E-Z Decapper™ 20mm

ITEM	QTY.	DWK NO.	DESCRIPTION
1	1	50083139	GRIP, LOWER - DECAPPER, GREEN
2	1	I050012	HOUSING, DIE CAST – CRIMPER
3	1	60098415	IDENTIFICATION LABEL-EZ CRIMPER/DECAPPER
4	1	I050069	HOOK,INVESTMENT CAST-HAND CRIMPER
5	1	50028774	WASHER,C BORED,HAND CRIMPER
6	1	50028775	SCW,10-32X1/2,PSHM CAP,GRADE 8
7	1	I054038	SPRING, WAYNER – CRIMPERS
8	1 SET	WL054421	20 MM JAW SET, DECAPPER W/RING – HAND
9	1	50027805	20 MM PLUNGER – DECAPPER
10	1	50028734	BARREL, SLOTTED - HAND CRIMPER
11	1	50028781	SPRING,COMPRESSION,LARGE
12	1	50028735	1/2" PLUNGER ROD - HAND CRIMPER
13	2	50028814	PIN, PIVOT - HAND CRIMPER
14	1	50028741	HANDLE, UPPER, DIE CAST – CRIMPER
15	1	50083138	GRIP, UPPER - DECAPPER, GREEN
16	2	I054513	WALDES RNG SM8-28 204007

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