



Products:

DCH733

D25733







D25872

D25773

D25892

- Horst Heimrich
- 03-12-2018

Before repair

	ENGLISH	GERMAN	ITALIAN	FRENCH	SPANISH	PORTUGUESE	DUTCH
	CHECK	ÜBERPRÜFEN	CONTROLLARE	CONTROLLER	COMPROBAR	VERIFIQUE	CONTROLEREN
	USE STATIC PROTECTION DEVICE	ANTISTATIK MATTE BENUTZEN	USARE I DISPOSITIVI ANTISTATICI	UTILISEZ UN EQUIPEMENT DE PROTECTION ANTISTATIQUE	USE PROTECCION ANTIESTATICA	USE PROTEÇÃO ESTATICA	GEBRUIK ANTI-STATISCH MATERIAAL
	FUNCTION TEST	FUNKTIONSTEST DURCHFÜHREN	ESEGUIRE IL TEST	TEST FONCTIONNEL	PRUEVA DE FUNCIONAMIENTO	TESTE DE FUNCIONAMENTO	FUNCTIETEST
	MOVE IN THIS DIRECTION	IN RICHTUNG BEWEGEN	MUOVI IN DIREZIONE	BOUGEZ DANS CETTE DIRECTION	DIRECCION DE LA FLECHA	AVANÇAR NESSA DIREÇÃO	BEWEEG IN DE RICHTING VAN DE PIJL
	TURN COUNTER CLOCKWISE	DREHEN GEGEN UHRZEIGERSINN	GIRARE IN SENSO ANTIORARIO	TOURNEZ DANS LE SENS INVERSE DES AIGUILLES D'UNE MONTRE	GIRO IZQUIERDA	GIRAR SENTIDO ANTI-HORARIO	DRAAI LINKSOM
	SERVICE TOOL	SERVICE WERKZEUG	UTENSILE DI SERVIZIO	OUTILLAGE DE SERVICE	HERRAMIENTAS DE SERVICIO	FERRAMENTAS DE SERVIÇO	SERVICE GEREEDSCHAP

Before repair

	ENGLISH	GERMAN	ITALIAN	FRENCH	SPANISH	PORTUGUESE	DUTCH
	CIRCLIP PLIERS INTERNAL	SEEGERRING ZANGE BOHRUNG	PINZA CIRCLIP INTERNA	PINCE CIRCLIP INTERIEUR	ALICATE CERCLIP INTERNOS	ALICATES FREIOS INTERNOS	BINNENBORG- VEERTANG (RECHTE BEKKEN)
	CIRCLIP PLIERS	SICHERUNGS- RINGZANGE	PINZA PER ANELLI	PINCE A CIRCLIPS	ALICATES DE CERCLIP	ALICATE DE FREIOS	BORGVEERTANG
	SEQUENCE	REIHENFOLGE	SEQUENZA	SEQUENCE	SECUENCIA	SEQUÊNCIA	VOLGORDE
	ASSEMBLY	ZUSAMMENBAU	ASSEMBLAGGIO	ASSEMBLAGE	MONTAGE	MONTAGEM	MONTEREN
	REPLACE	AUSTAUSCHEN	SOSTITUIRE	REMPACEMENT	Sustituir	SUBSTITUIR	VERVANGEN
	SEND THE TOOL TO THE CUSTOMER	GERÄT ZUM KUNDEN SENDEN	SPEDIRE L'UTENSILE AL CLIENTE	EXPEDIEZ L'OUTIL AU CLIENT	ENVIAR LA HERRAMIENTA AL CLIENTE	ENVIAR A FERRAMENTA AO CLIENTE	VERZEND HET TOESTEL NAAR DE KLANT



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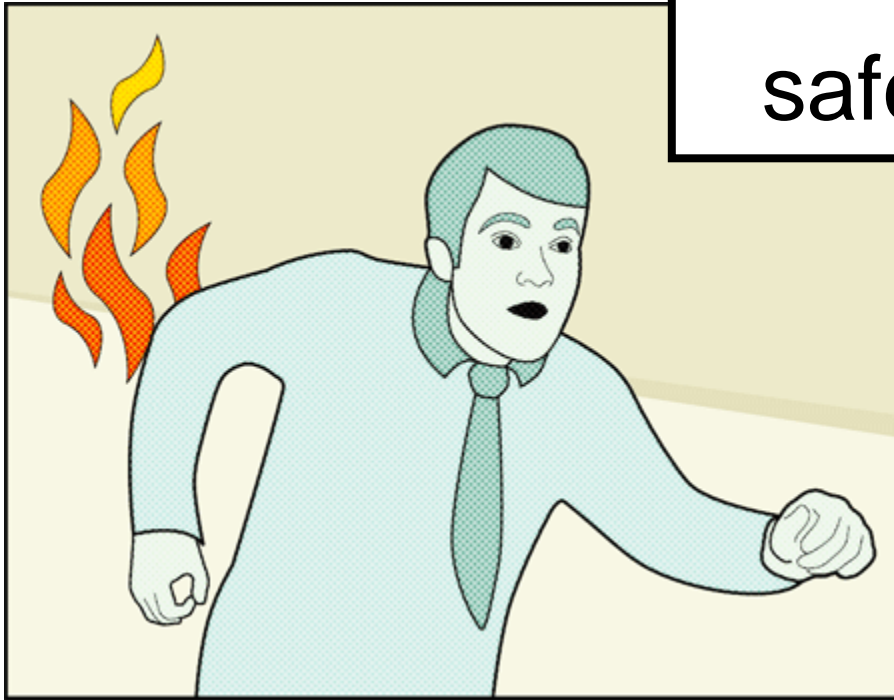
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Before Repair



Before repair and service

Follow the
safety instruction

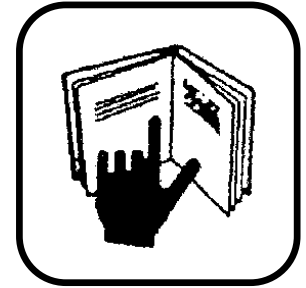




Safety Information

Work area safety

Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.



Electrical safety

Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.

Personal safety

Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication



Before attempting any repairs, the following should be observed,

Ensure the correct tool is used and only use good quality hand tools

Ensure the work shop is clean and tidy.

Always wear protective clothing, Overalls, safety gloves, safety glasses,

Before turning product on for analysis carry out a visual check for loose/broken parts including accessories, drill bits, chisels, cutters etc.

Never repair a product whilst it is into a power supply, or a battery is connected.

Remove accessories, drill bits, chisels, cutters etc.

Ensure side handles function correctly.

Before repair
and
strip down

Before repair



Visually check



DATE
CODE

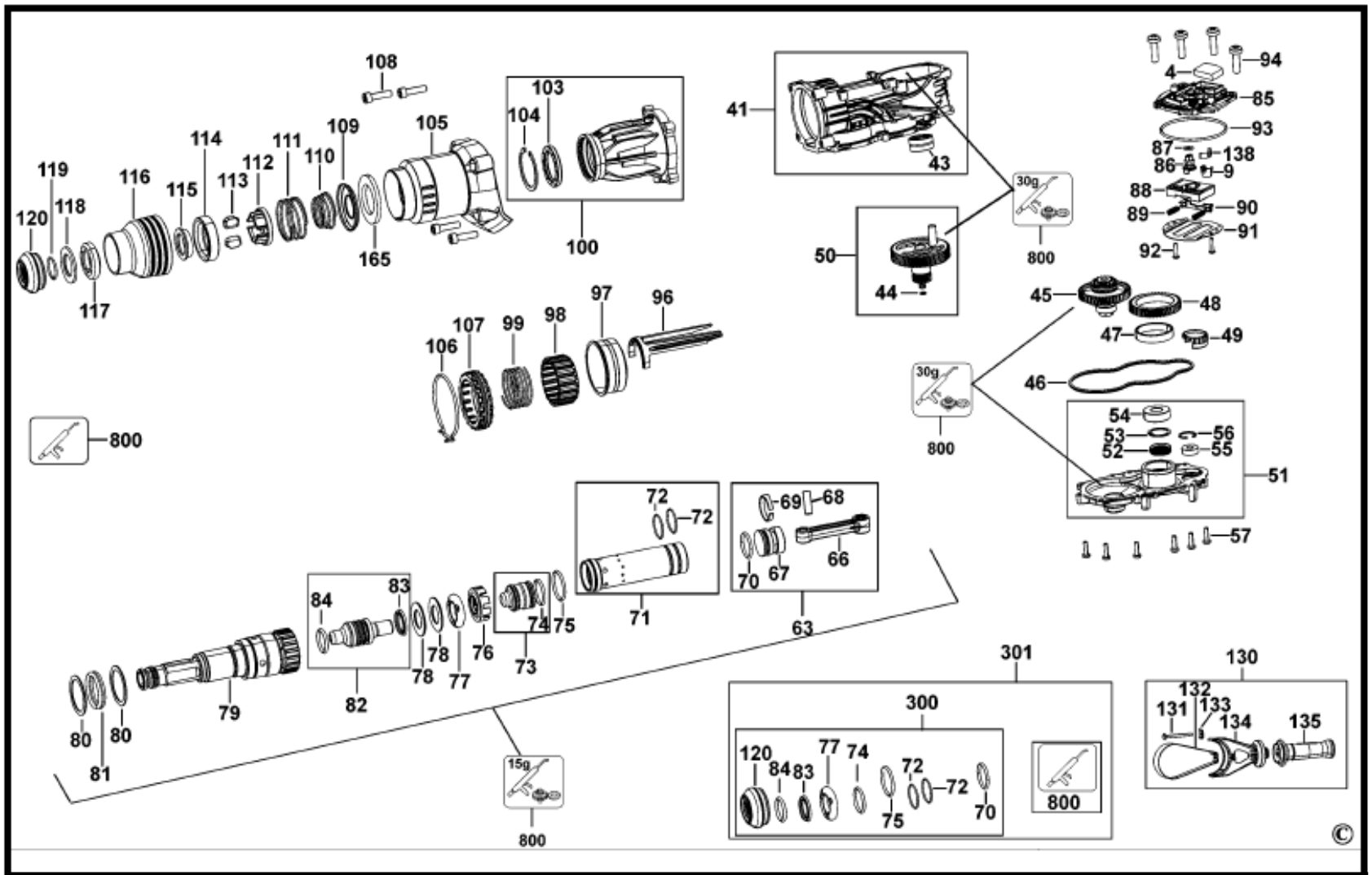




DCH733	D25733	D25773
177-355 1/min	177-355 1/min	145-290 1/min

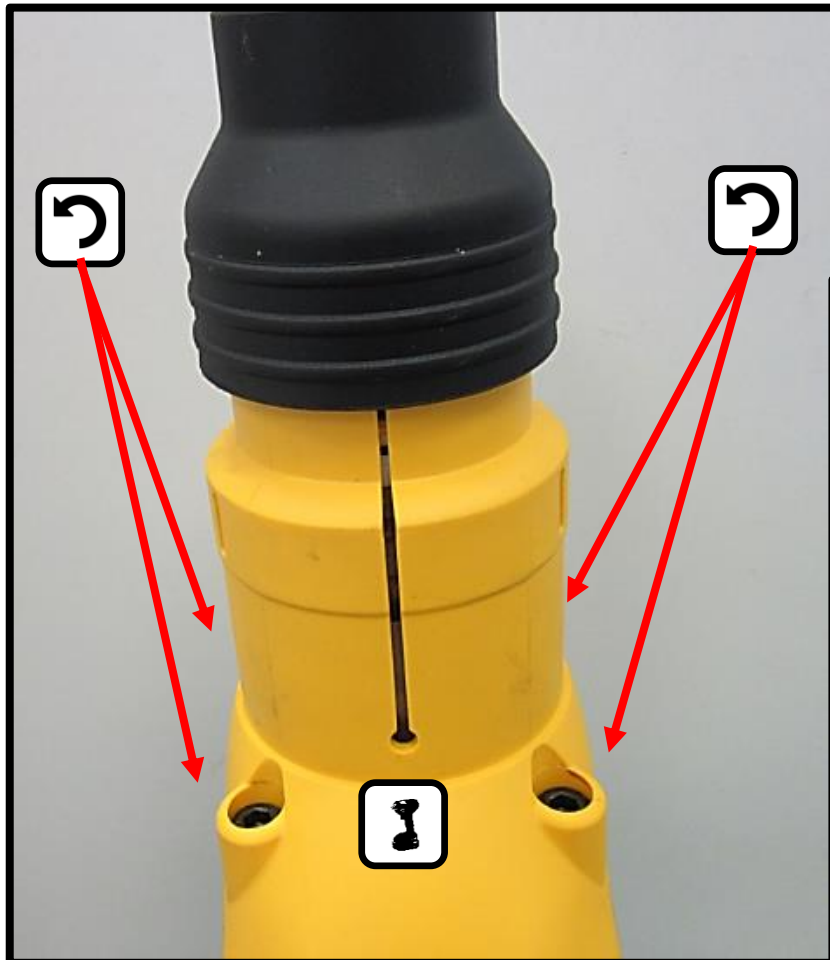


Disassembling
Tool Holder DCH733/D25733/
D25872/D25773/D25892



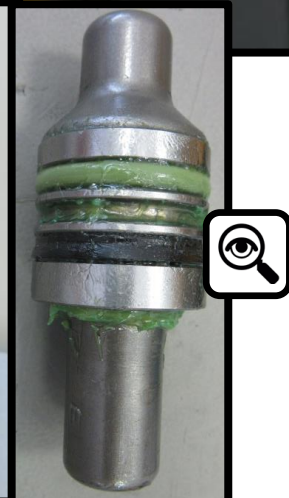
Disassembling Tool Holder

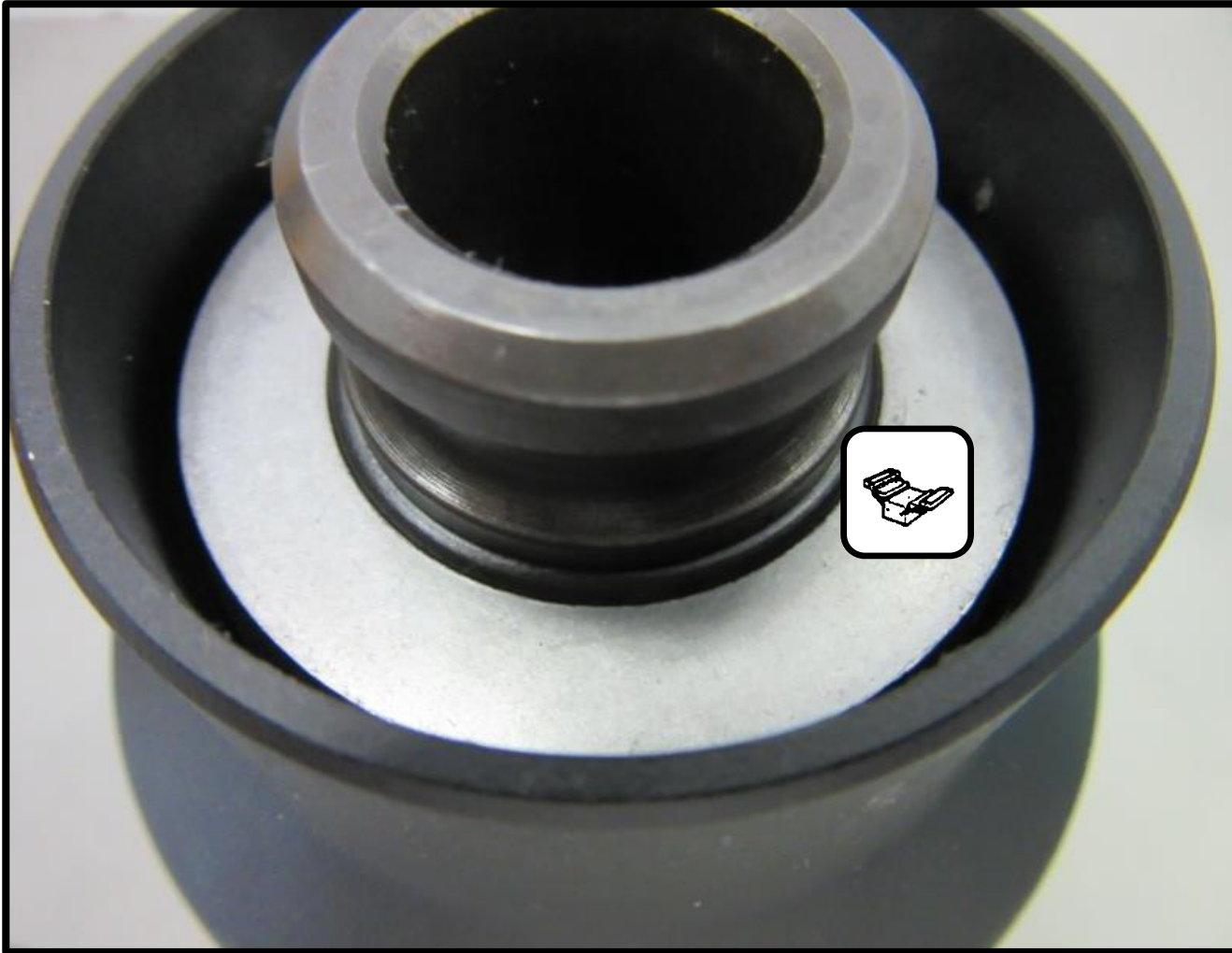




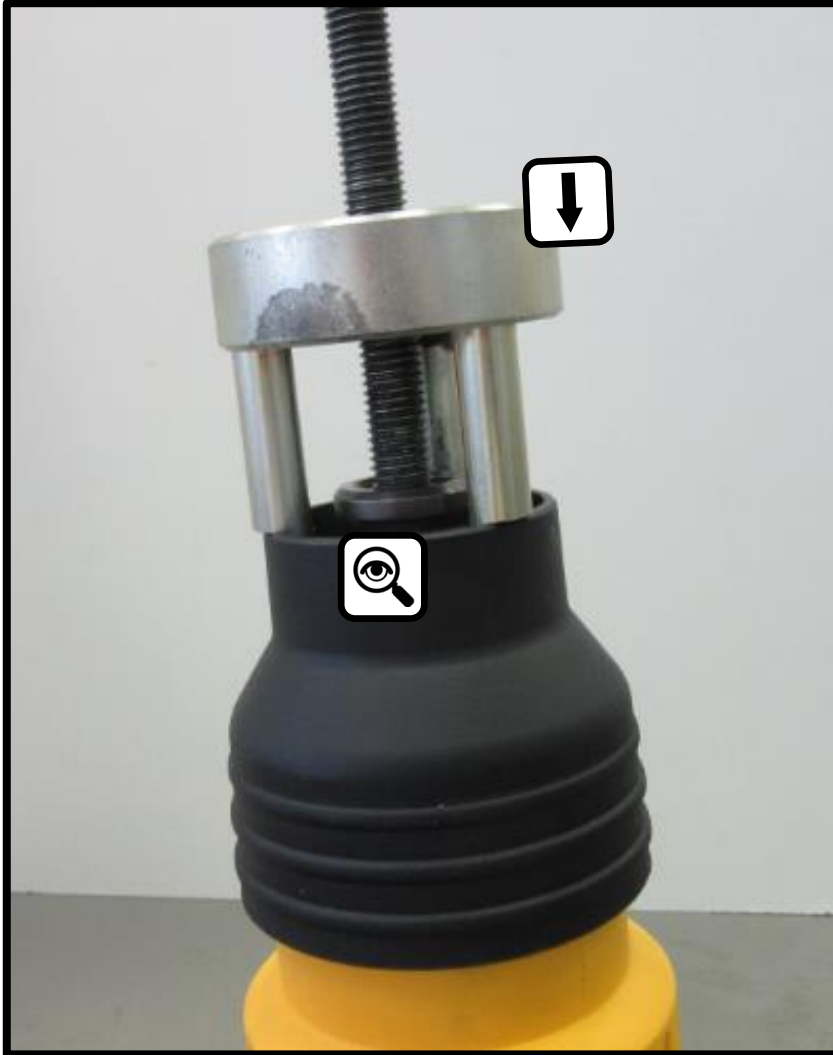
8x30 5mm Allen

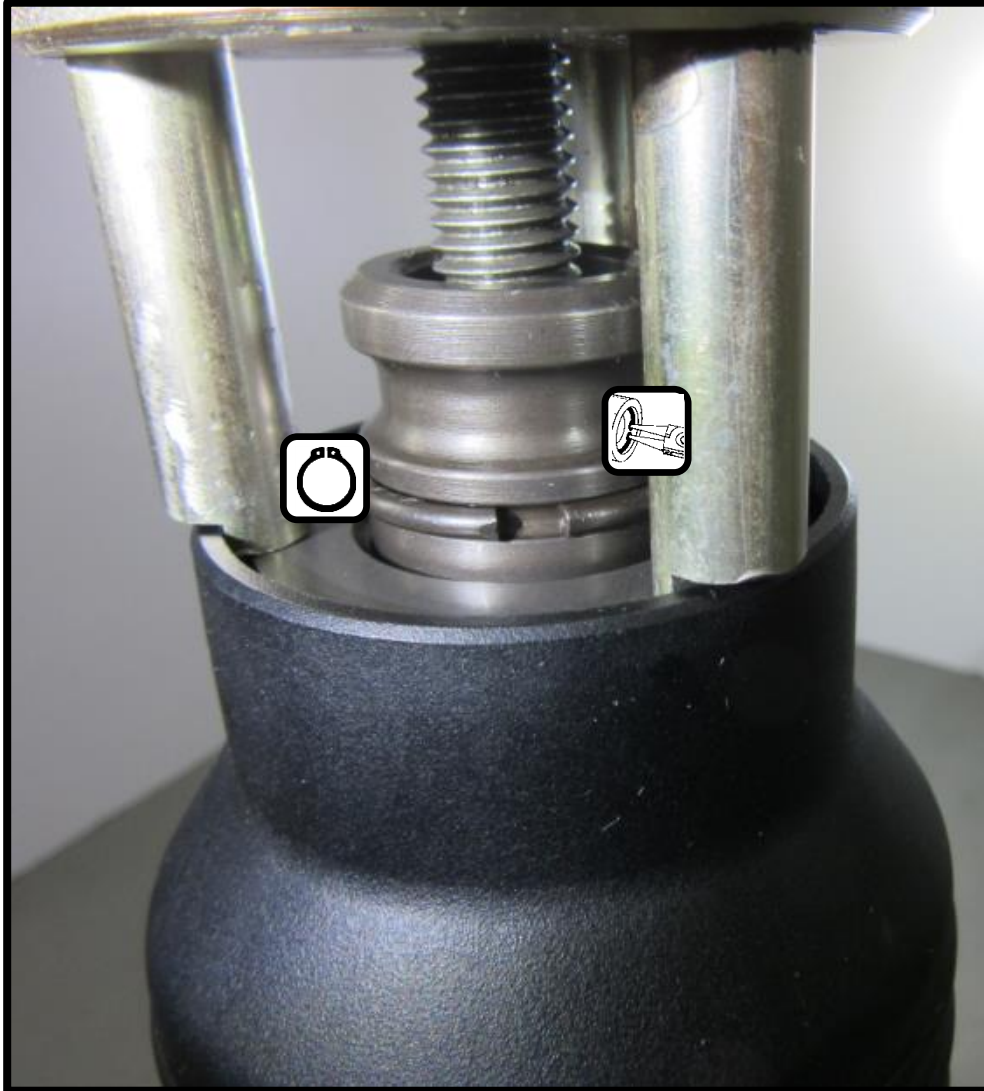


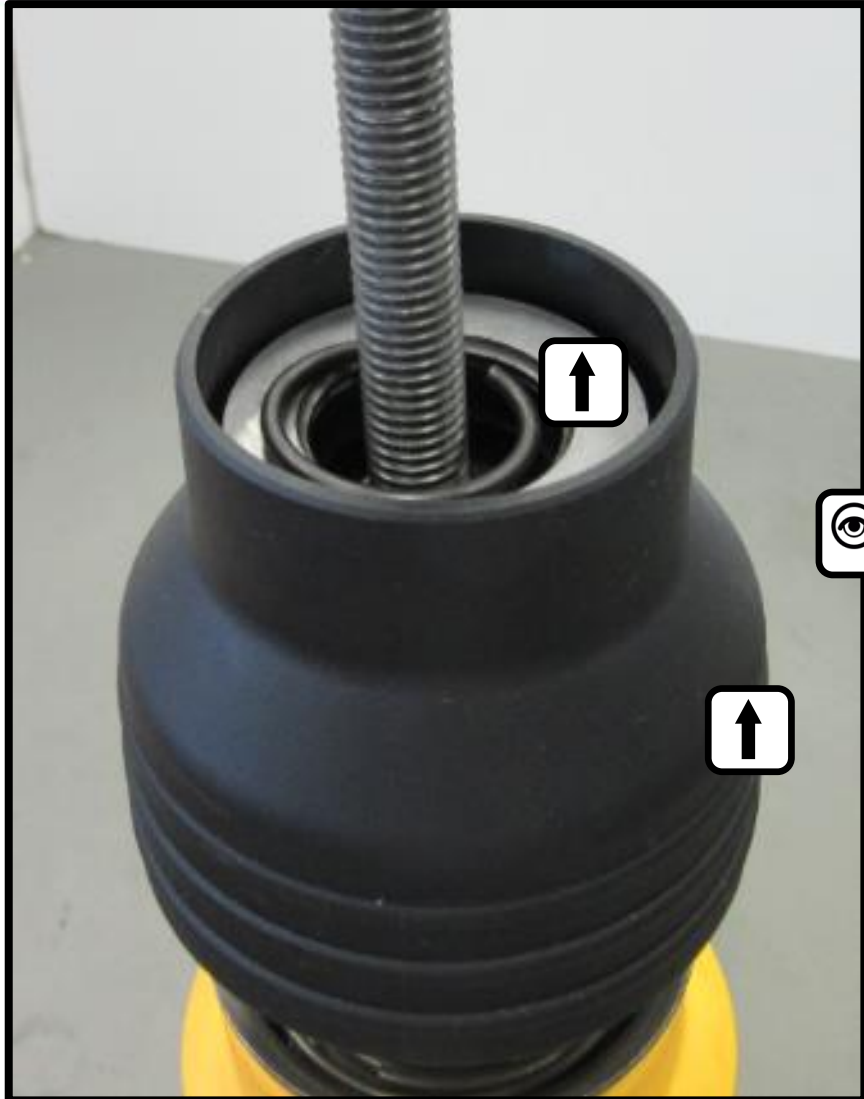


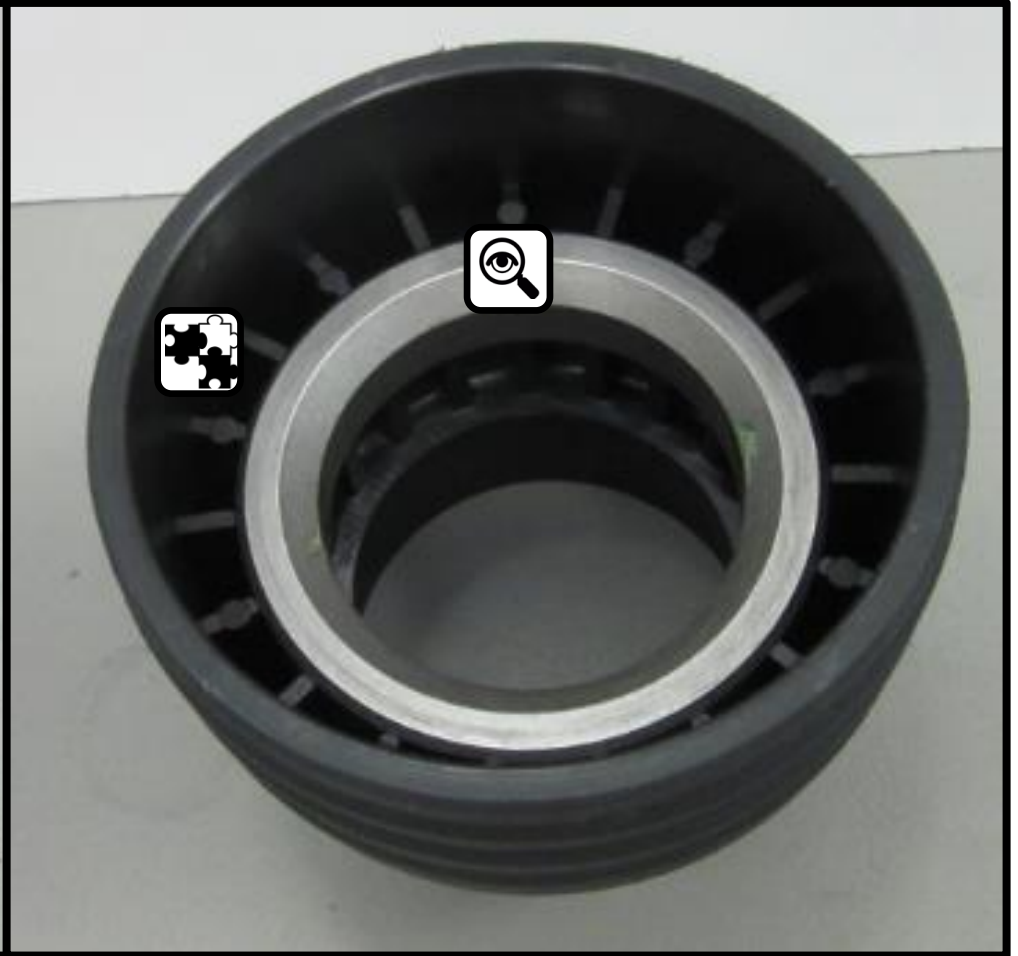


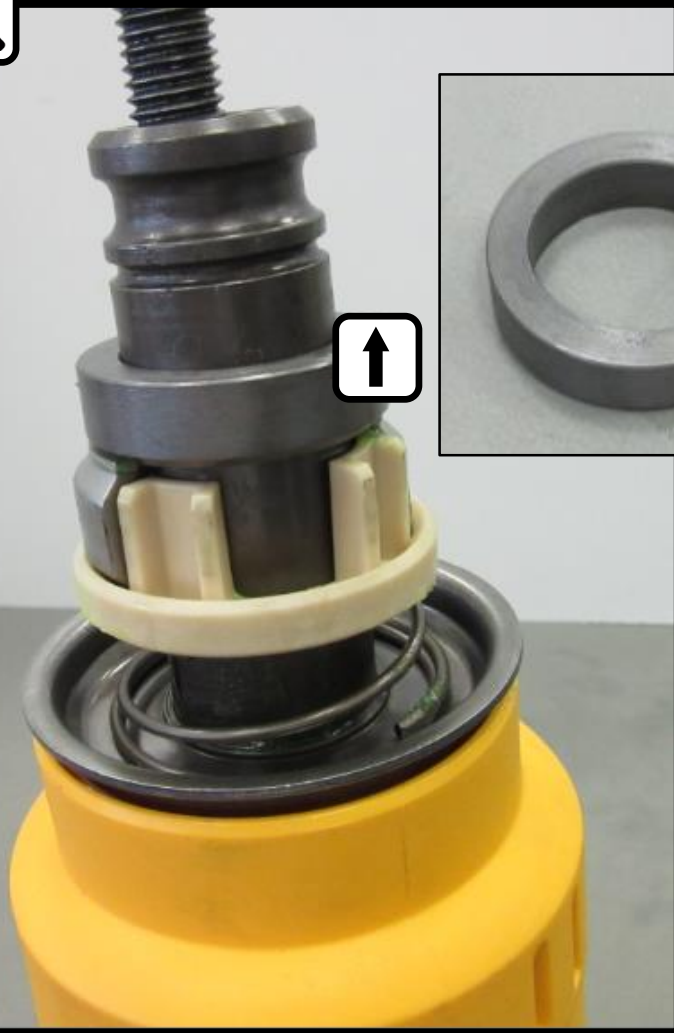
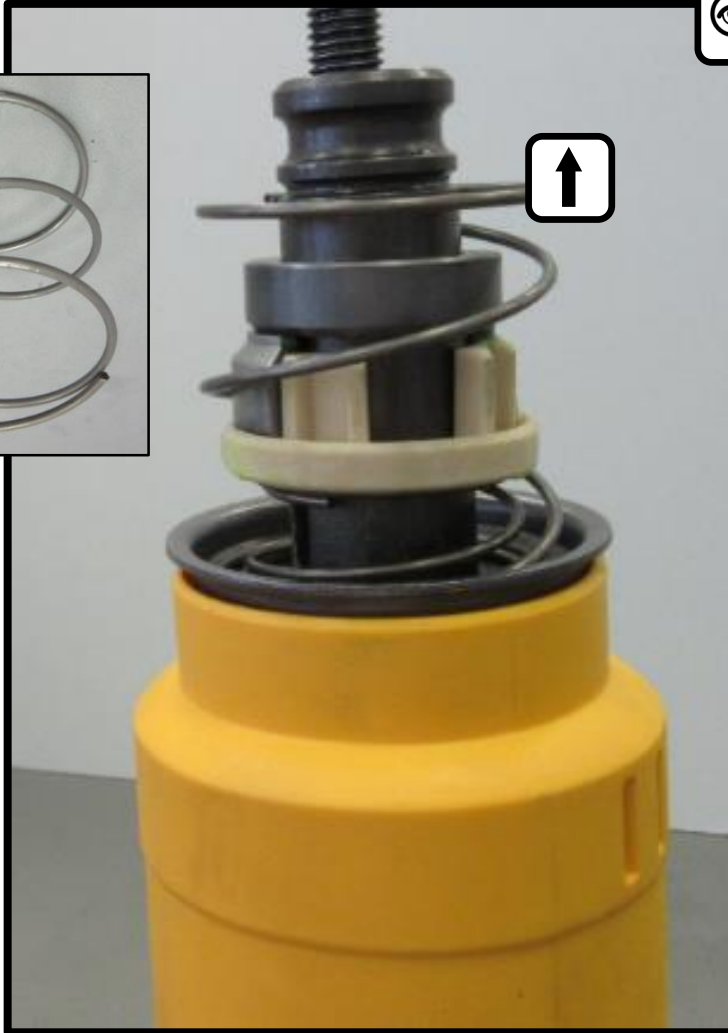


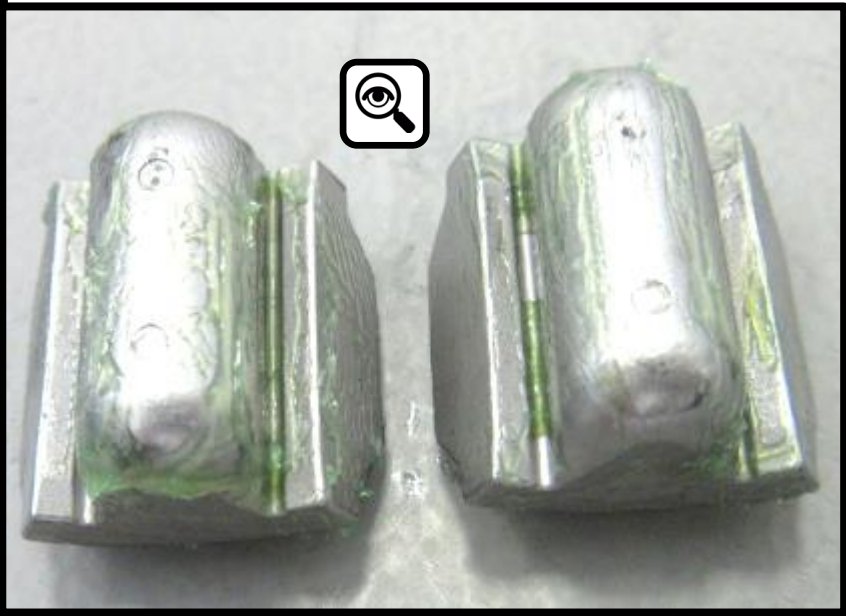


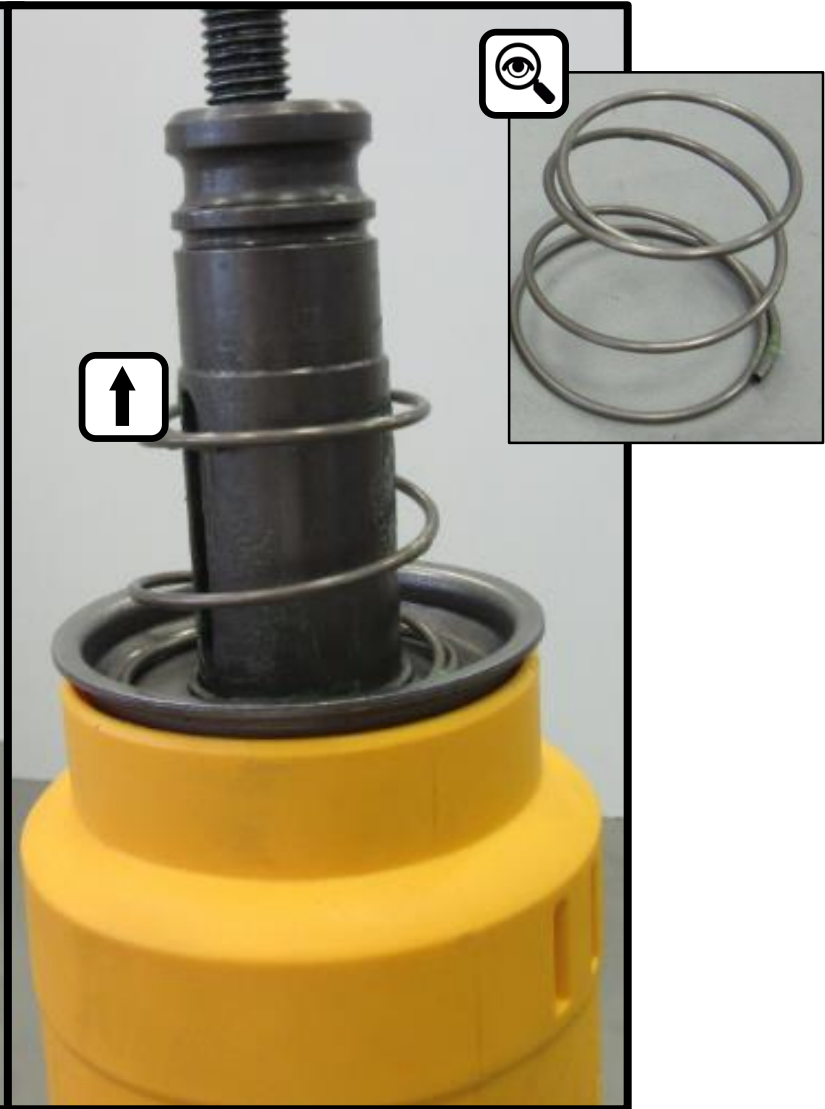










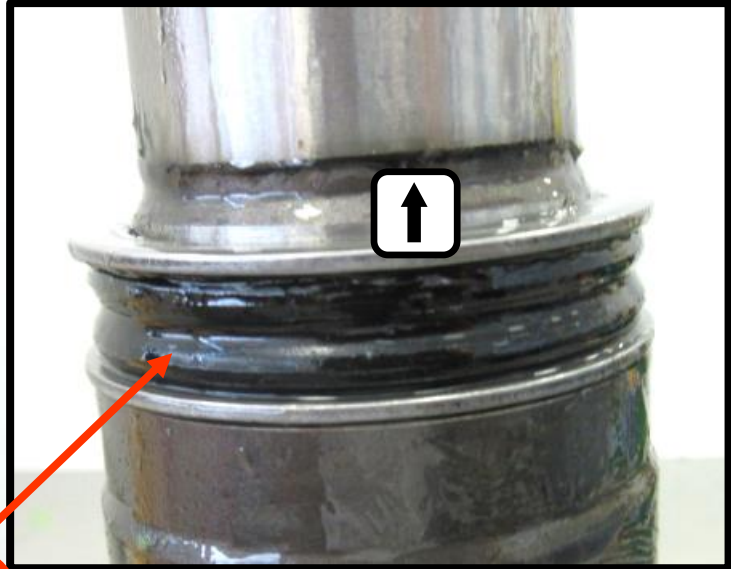
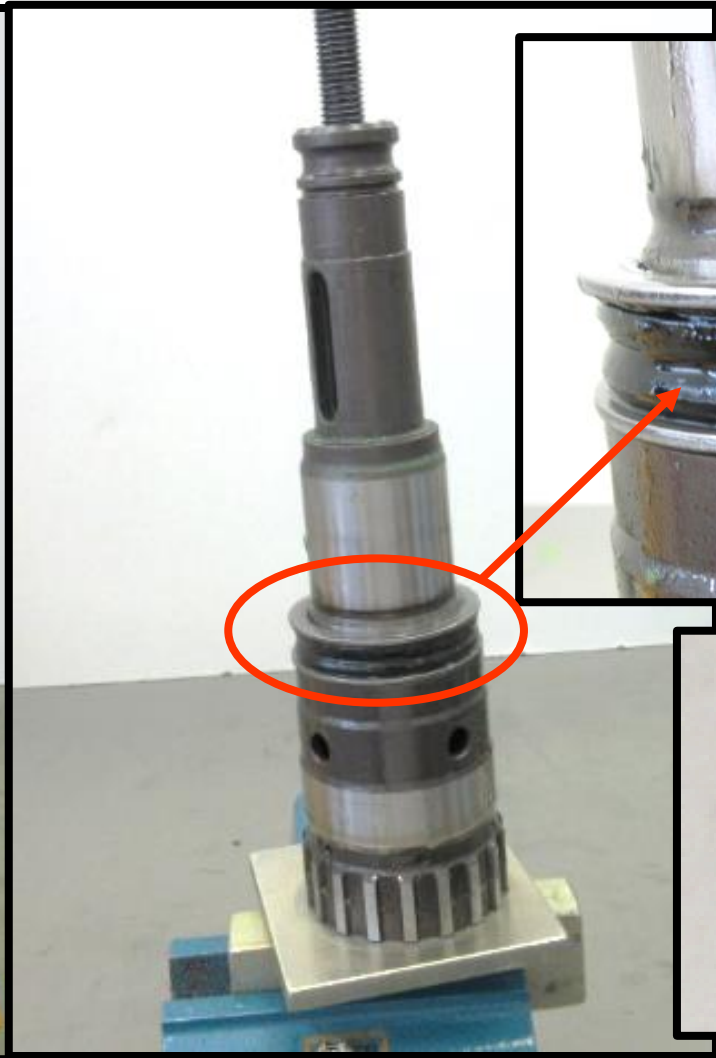


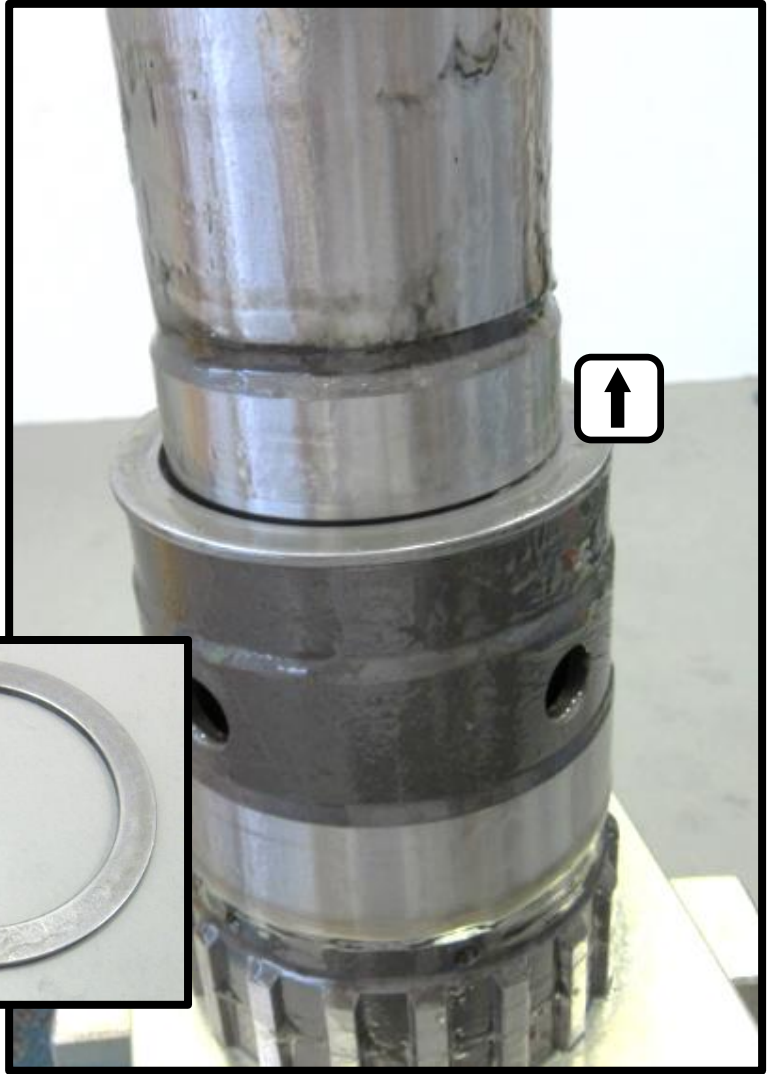
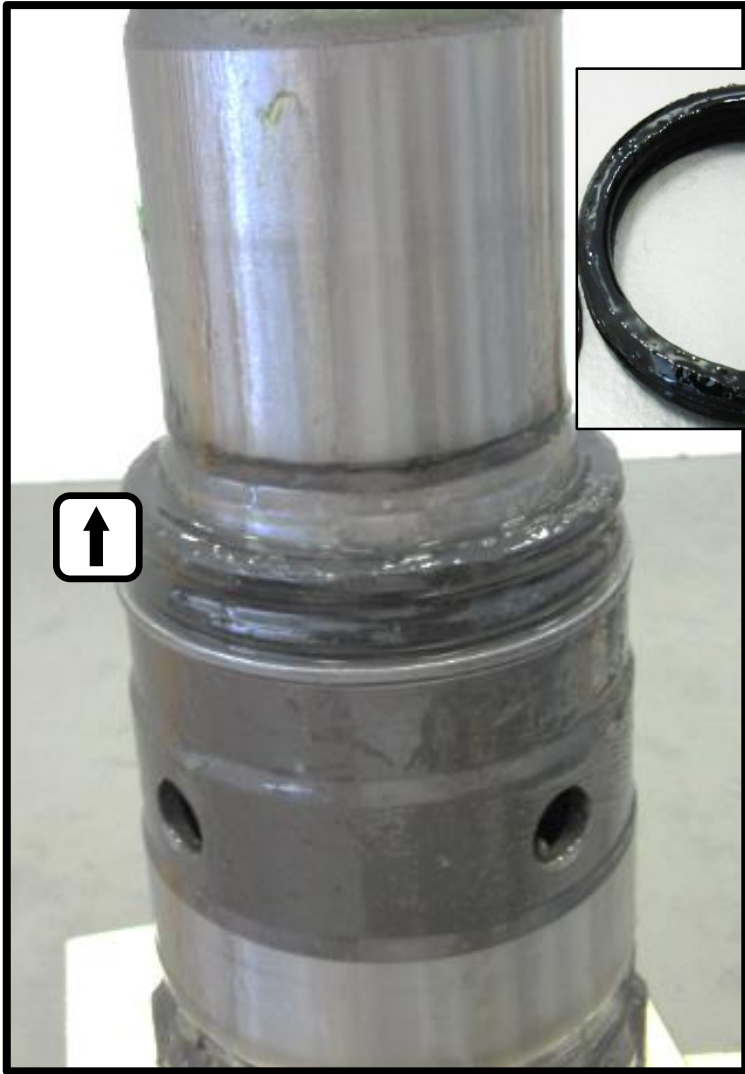




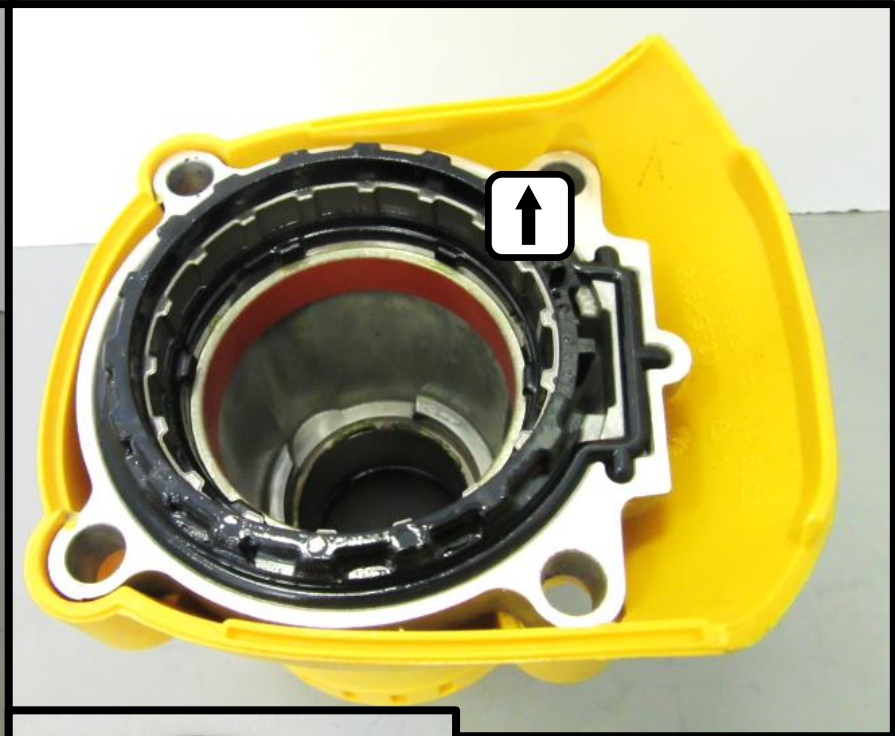


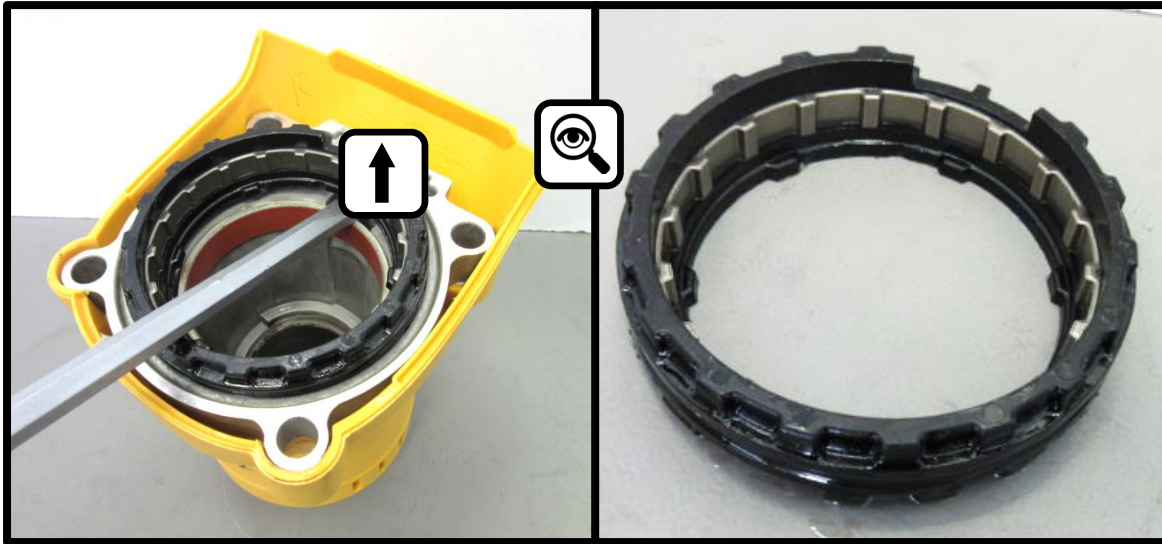
Disassembling Front Housing
DCH733/D25733/
D25872/D25773/D25892



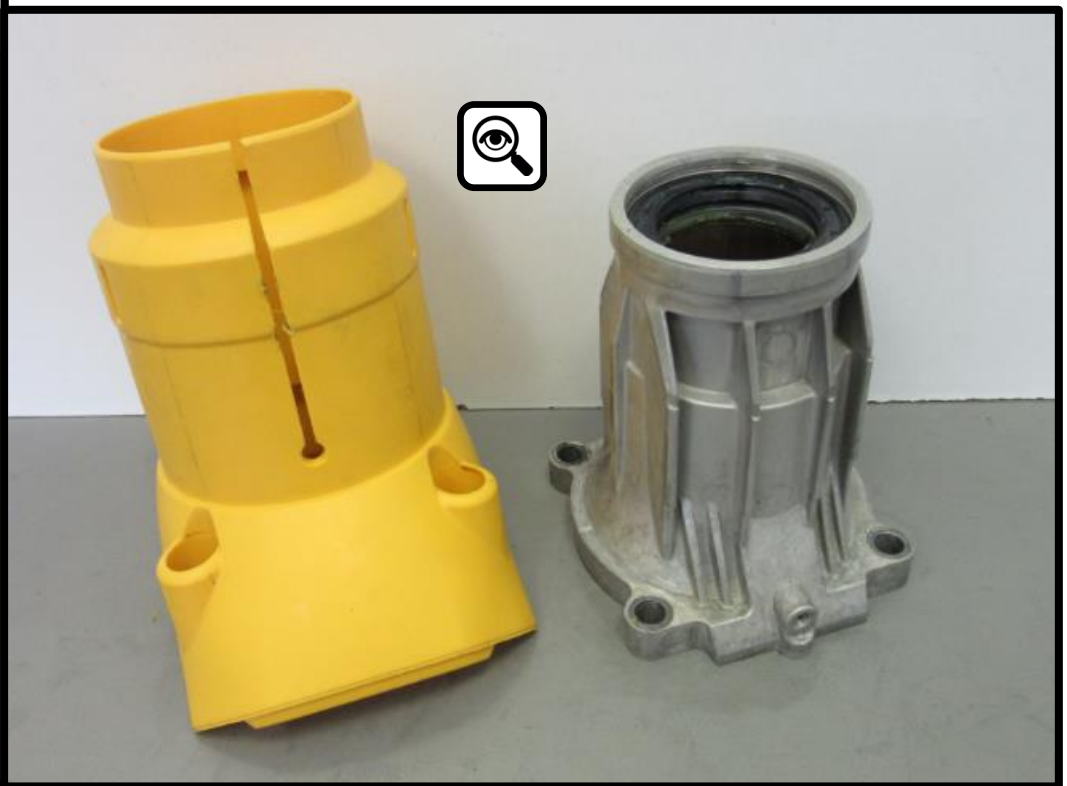
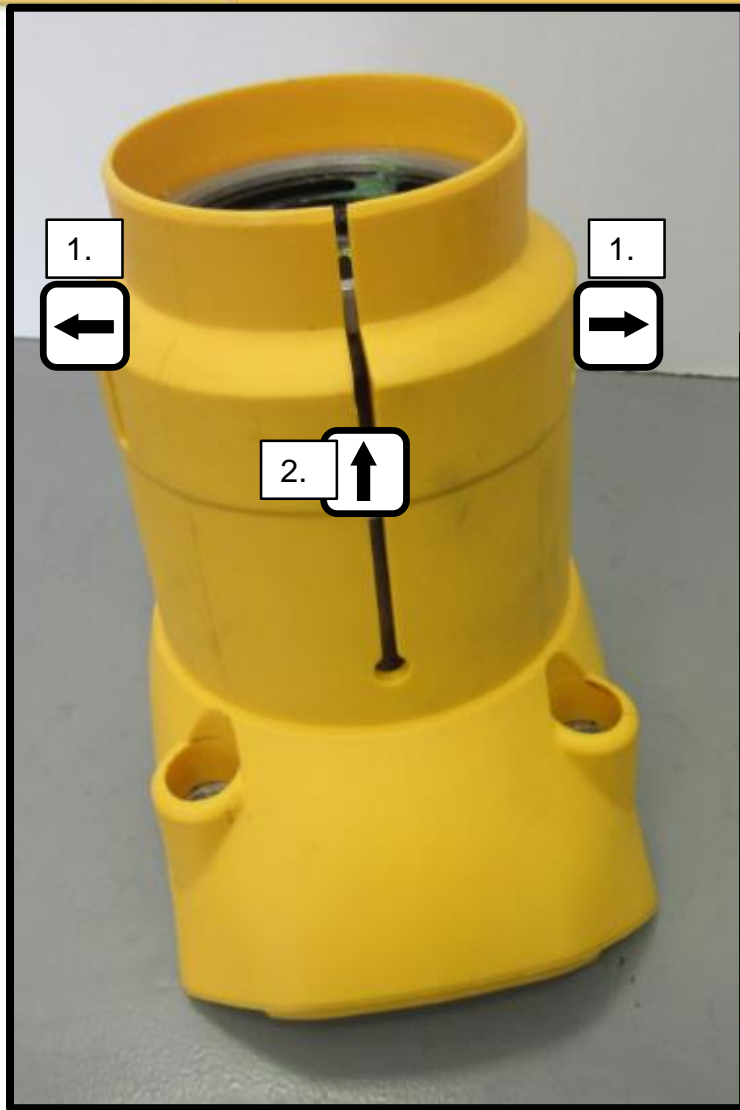


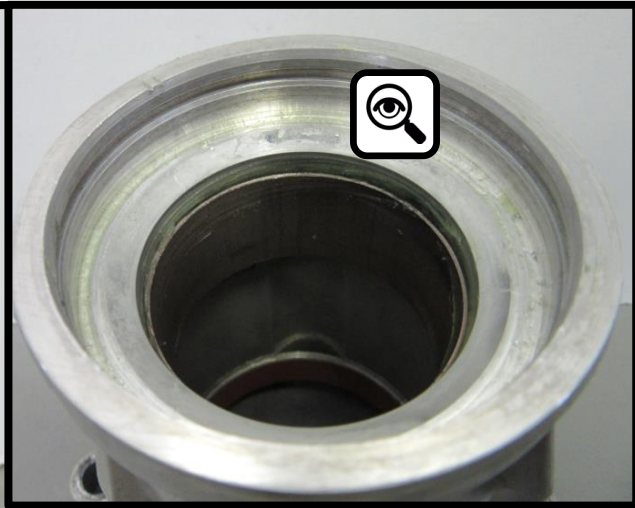
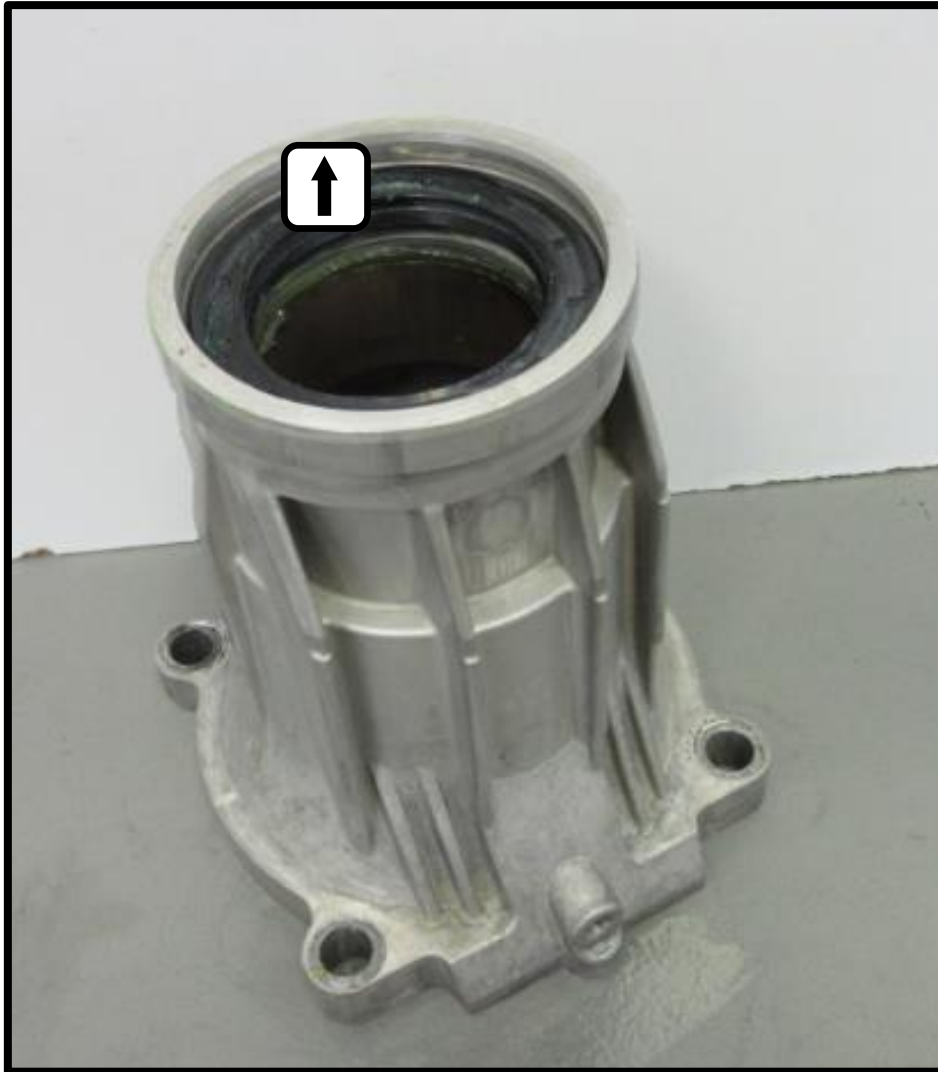








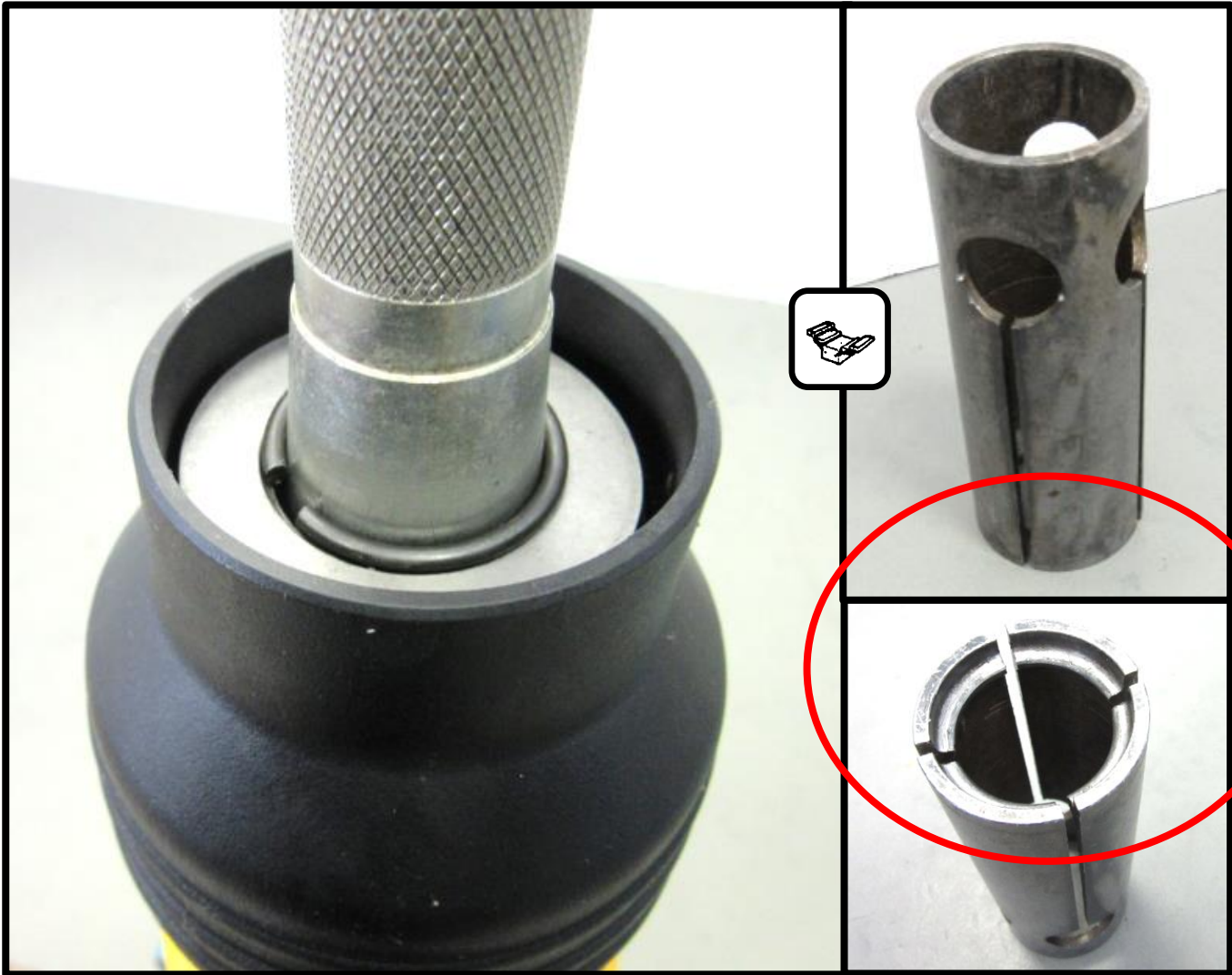


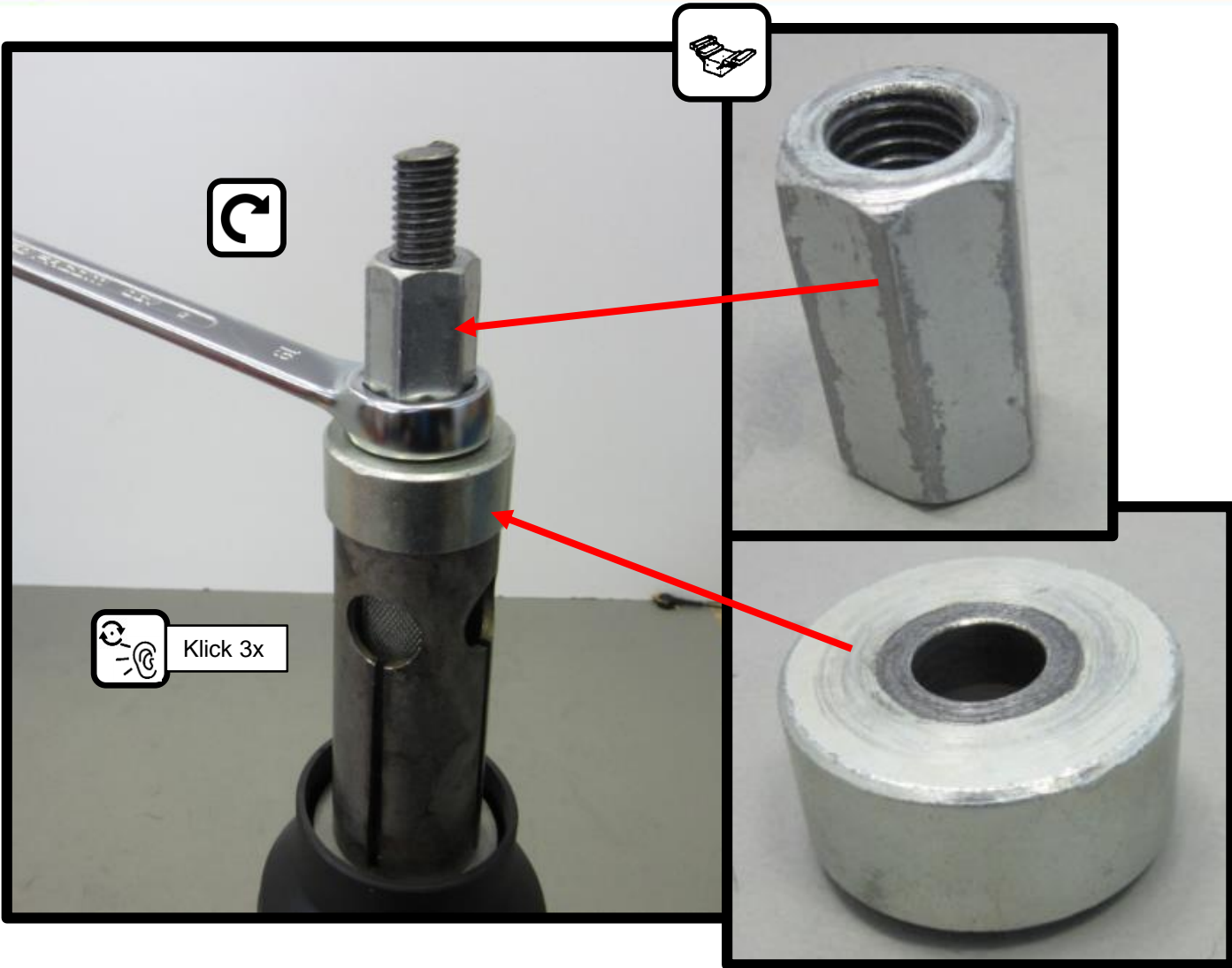




Assembling Tool Holder
DCH733/D25733/
D25872/D25773/D25892

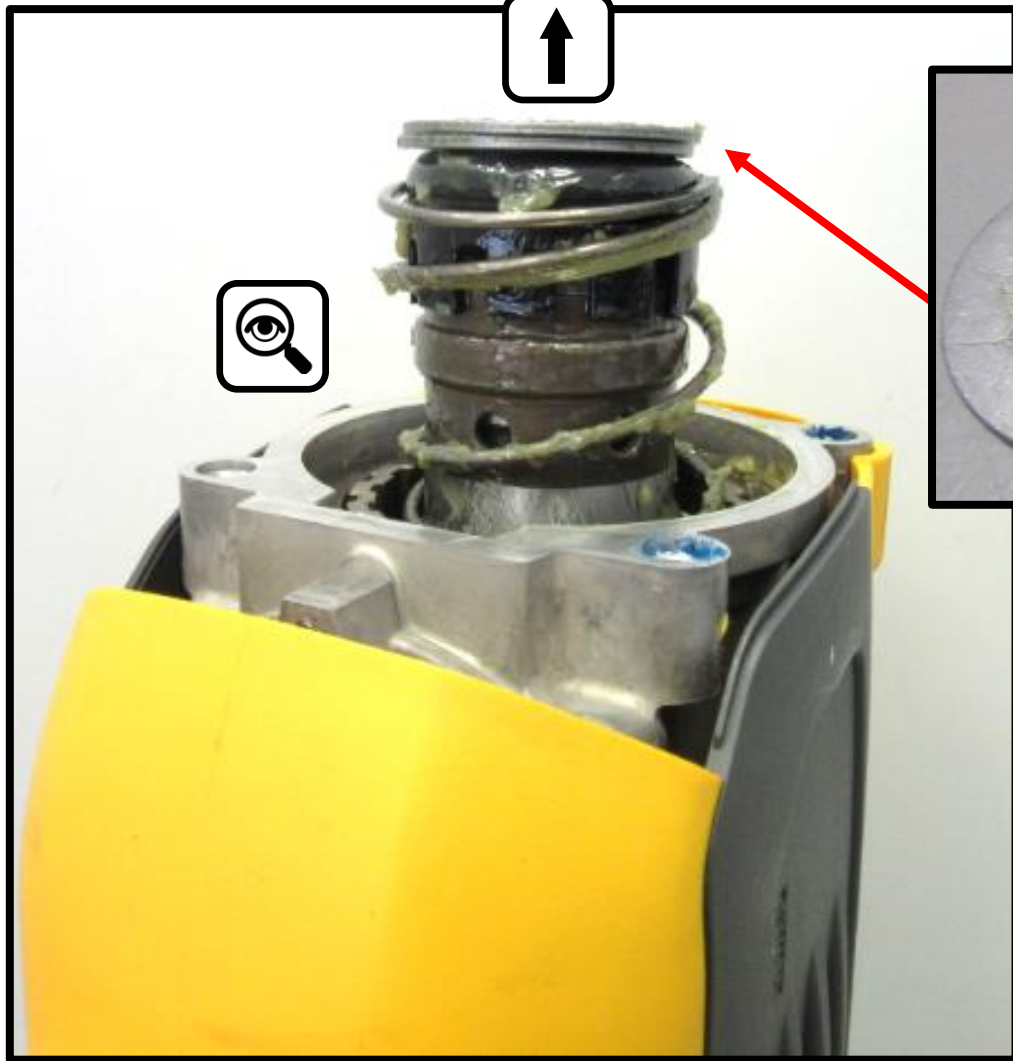


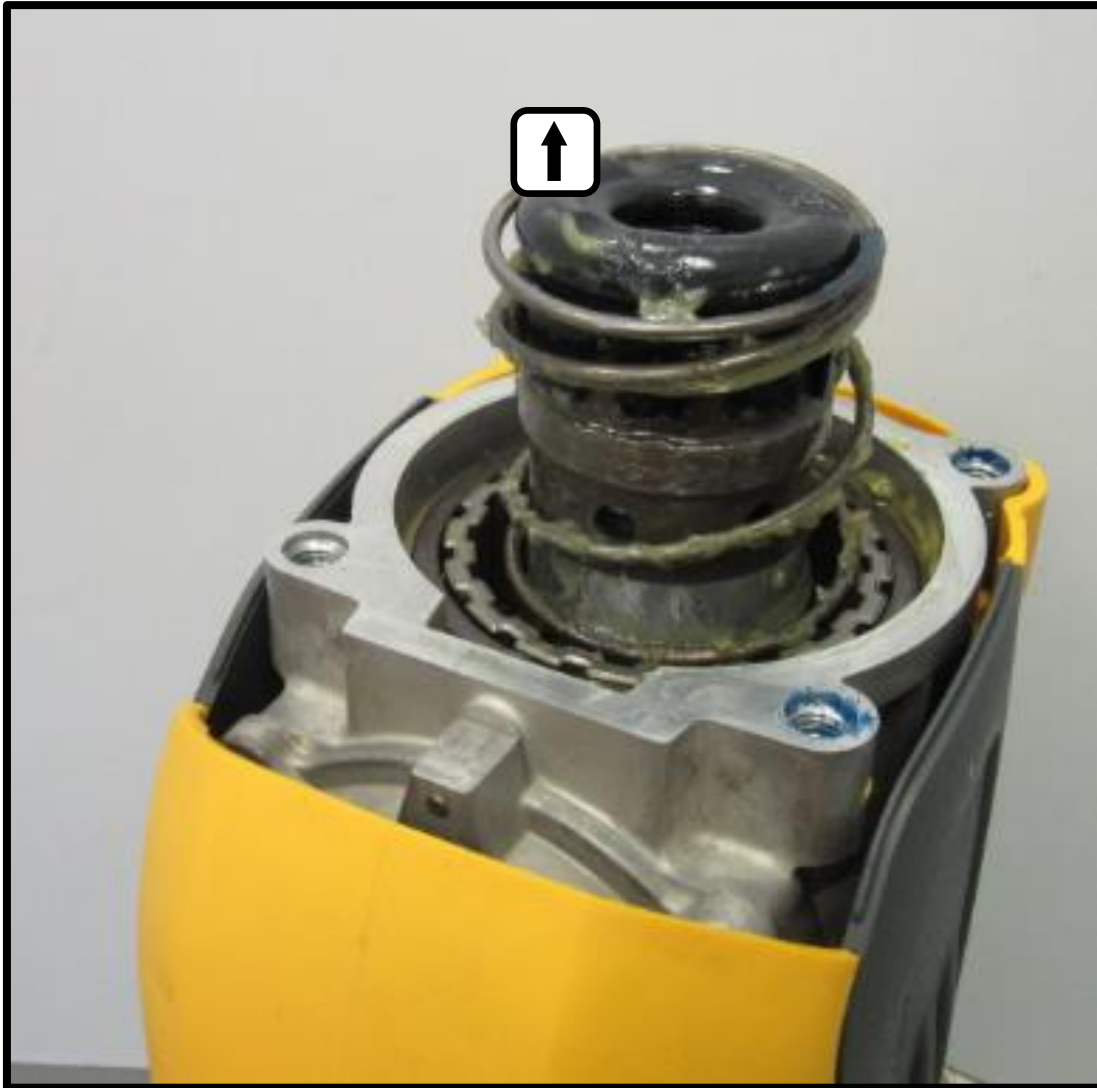




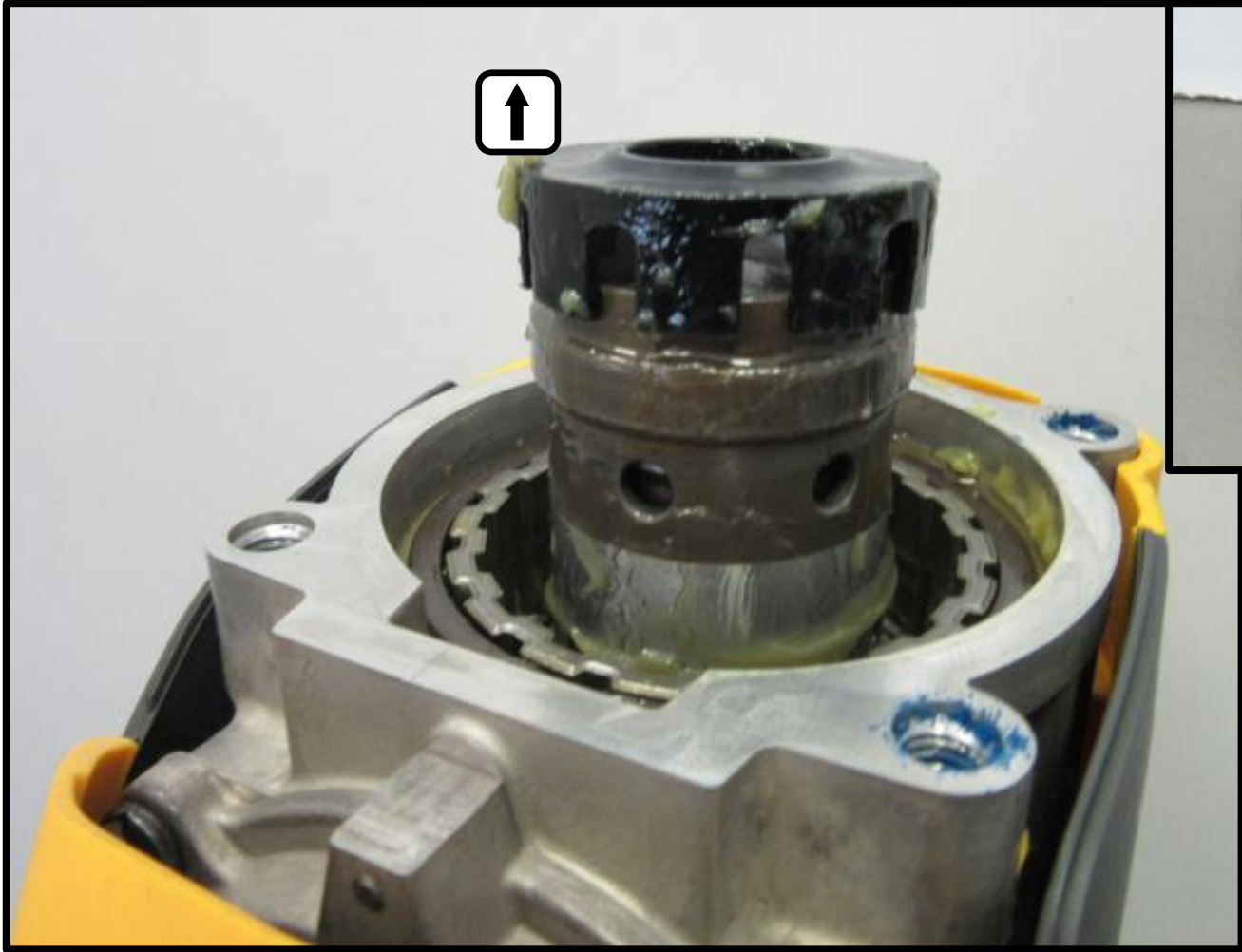


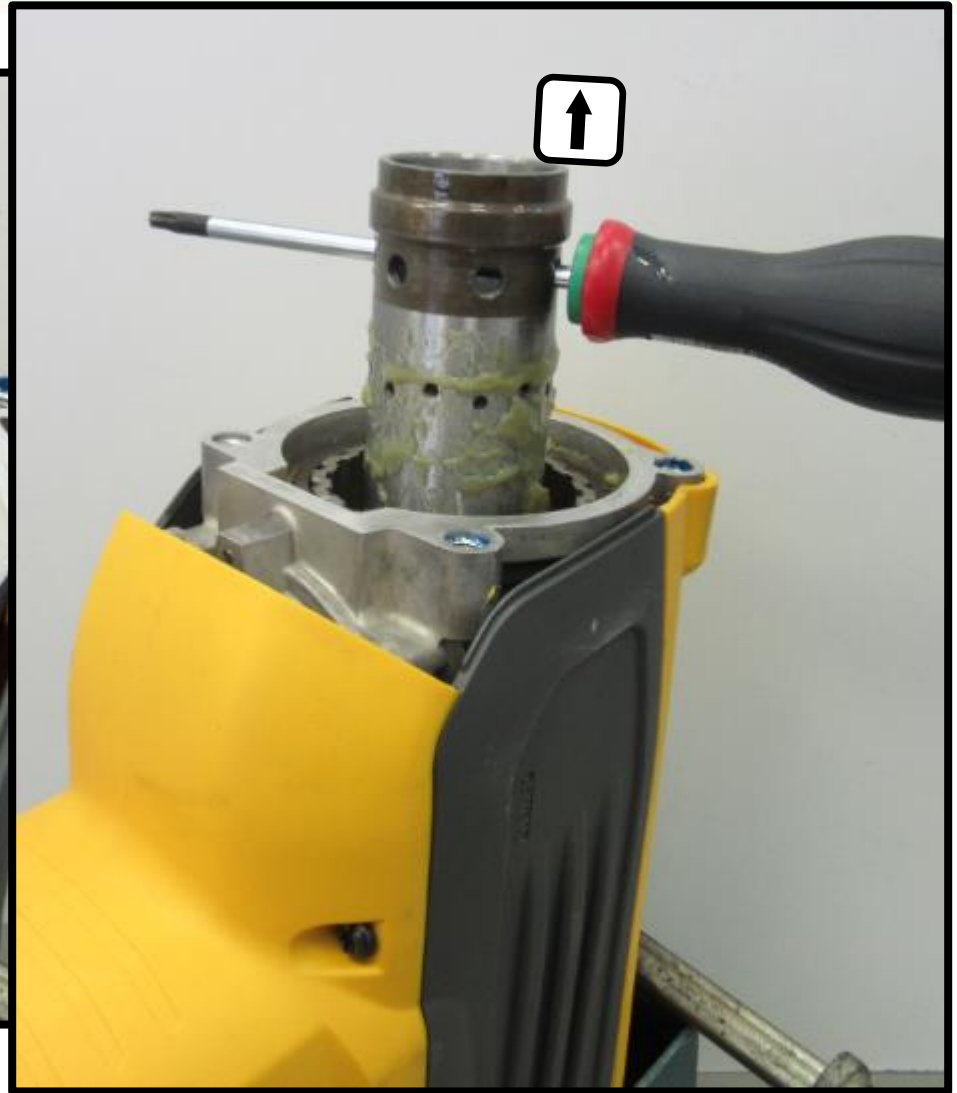
Disassembling Hammer Mechanism DCH733/D25733/D25872



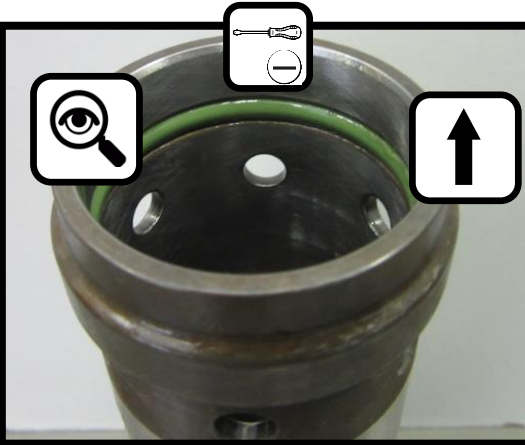
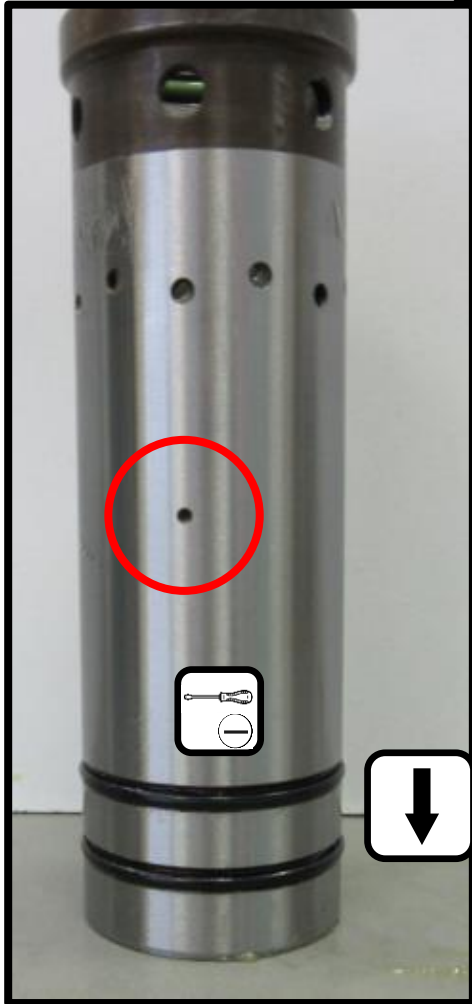


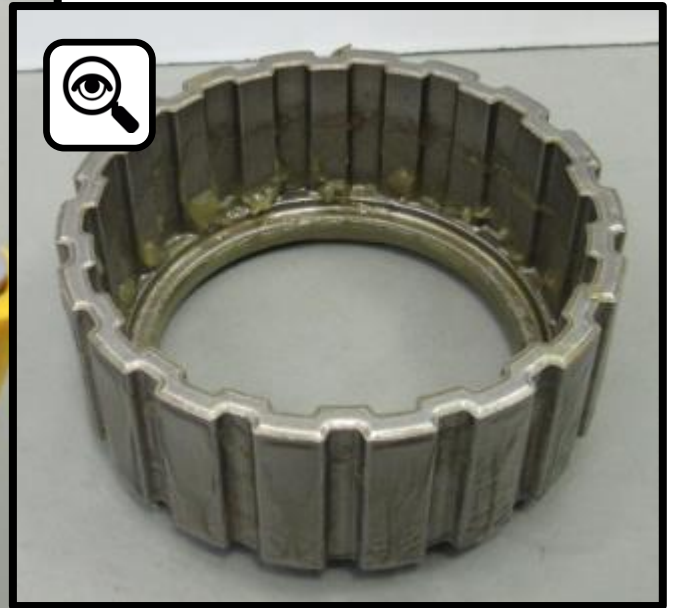
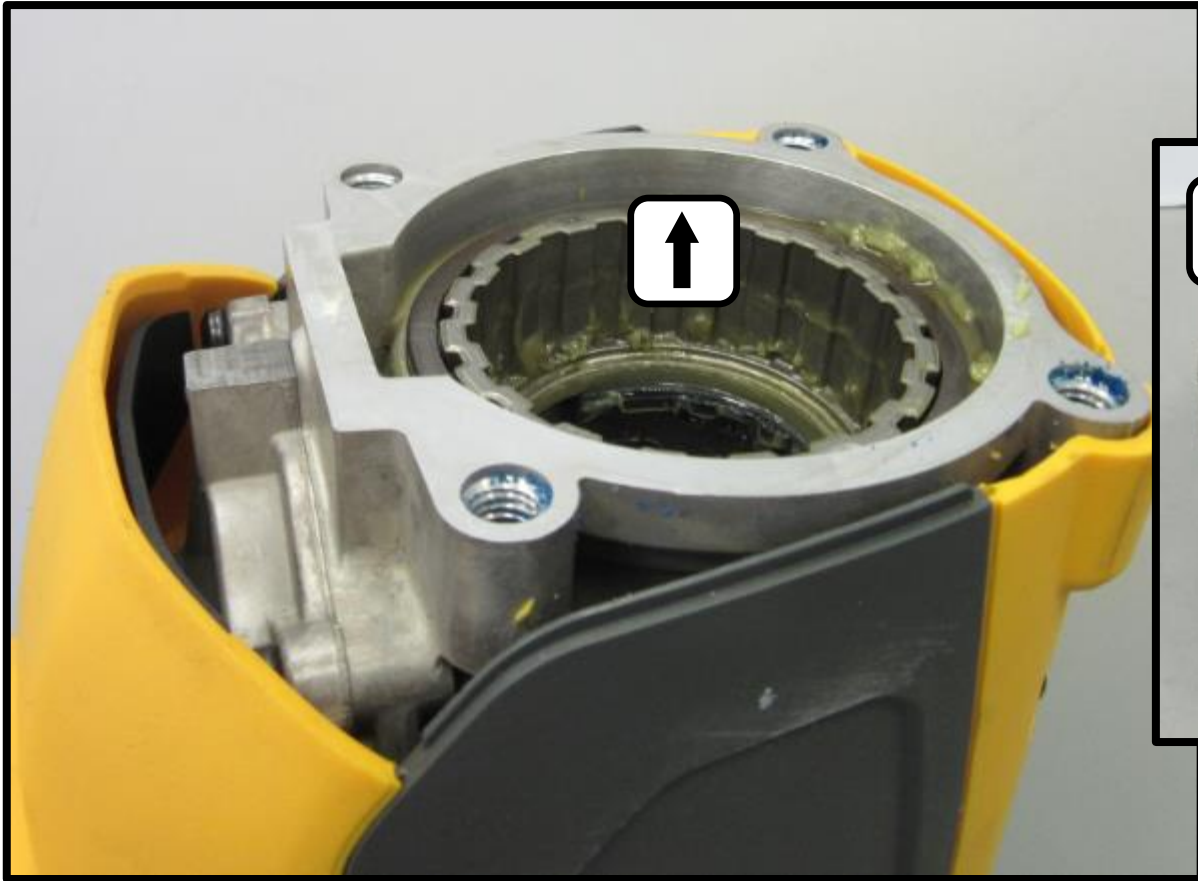


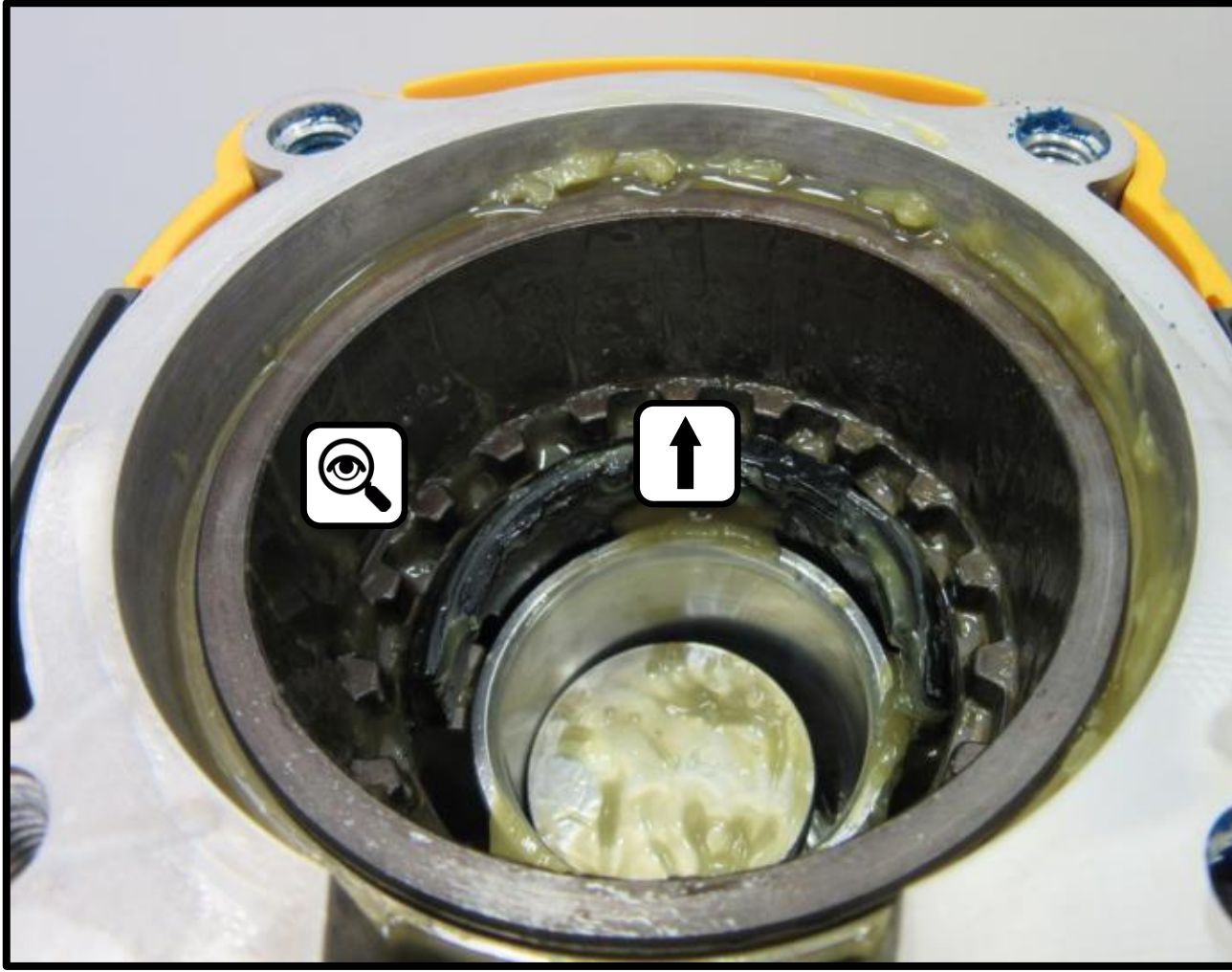


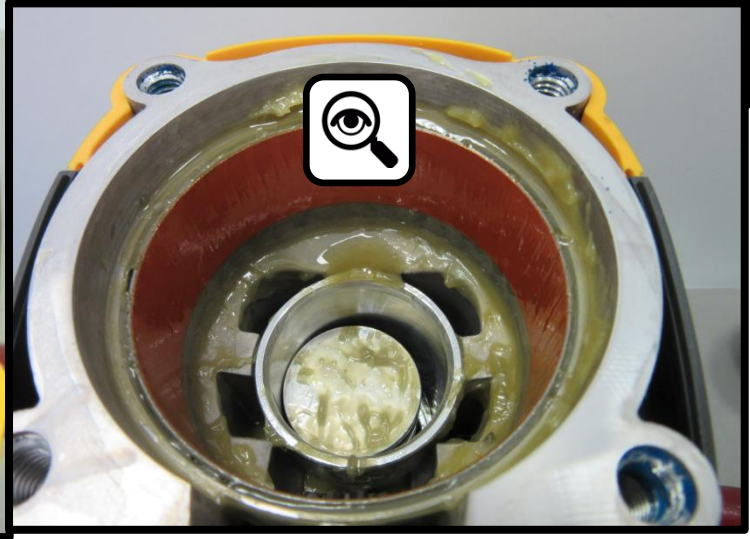
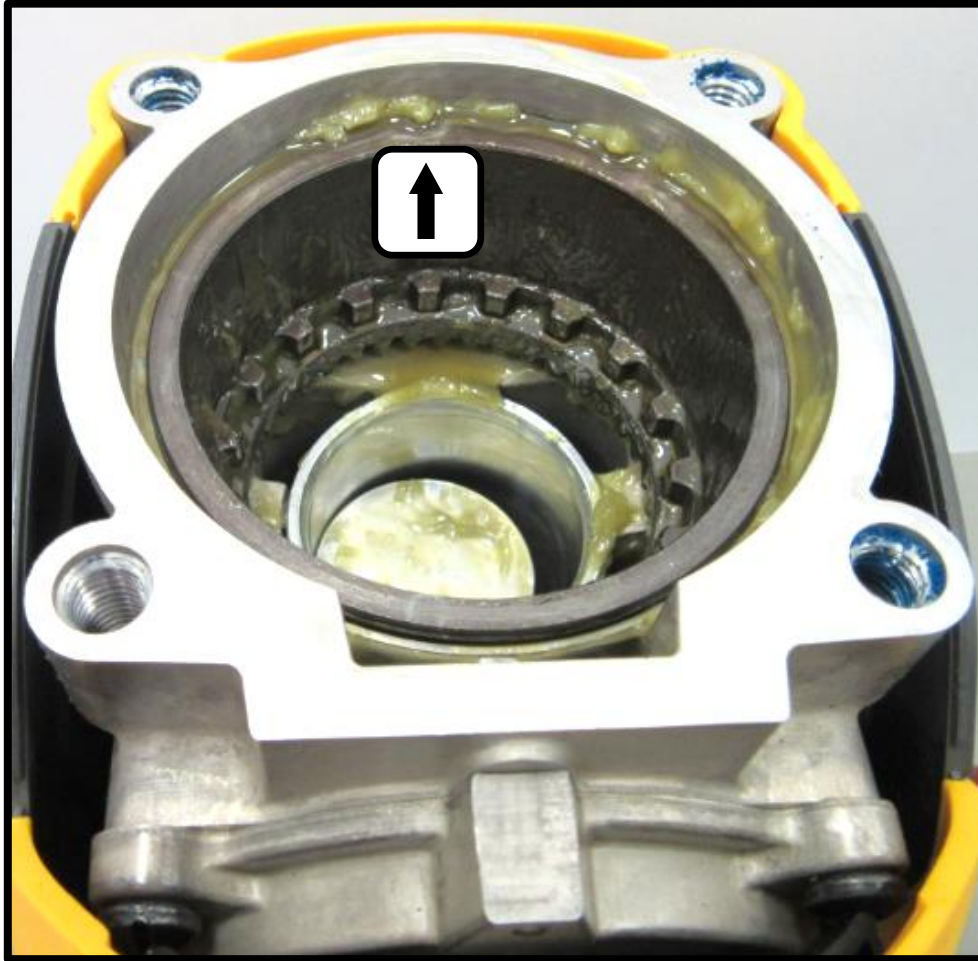






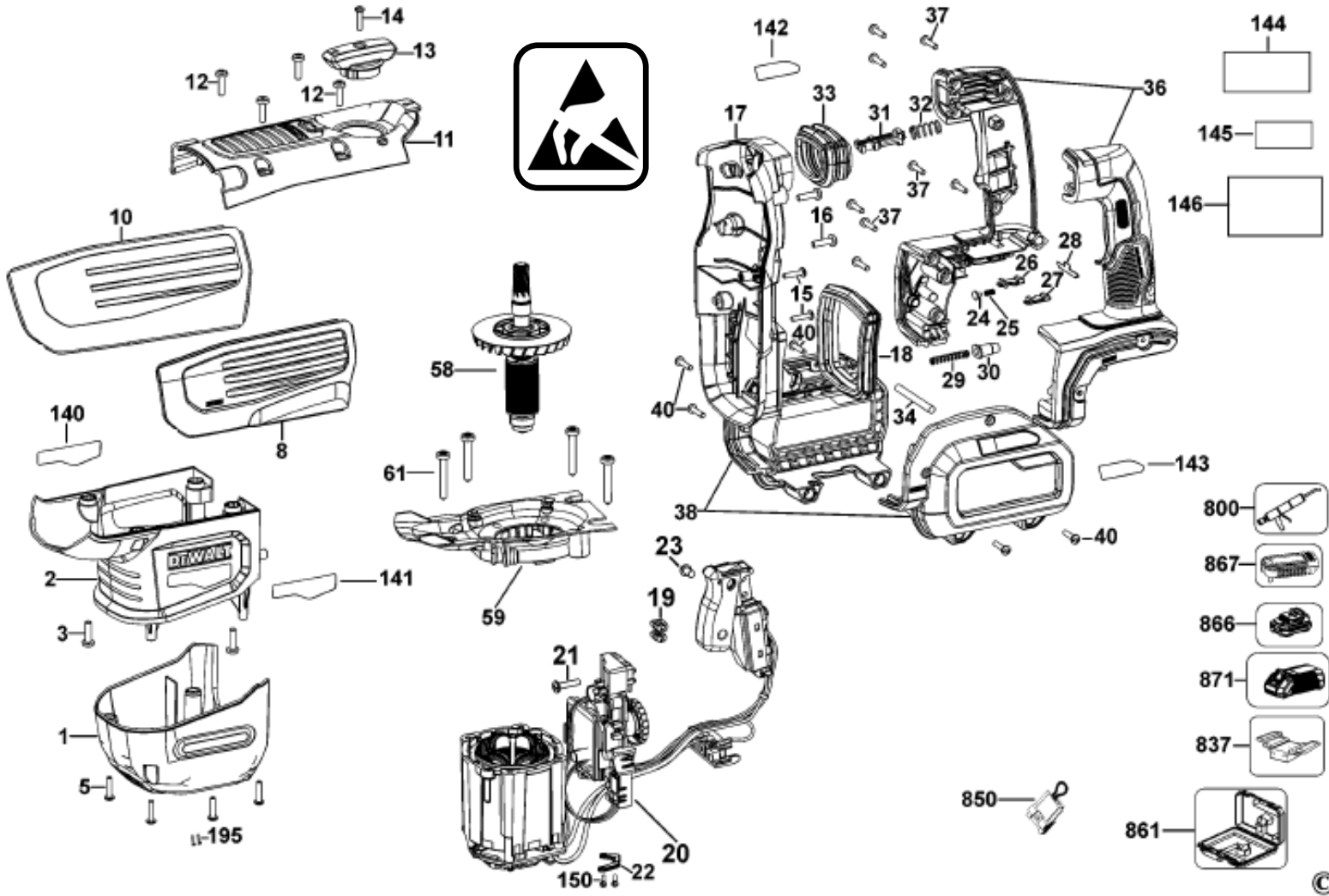








Disassembling Motor DCH733

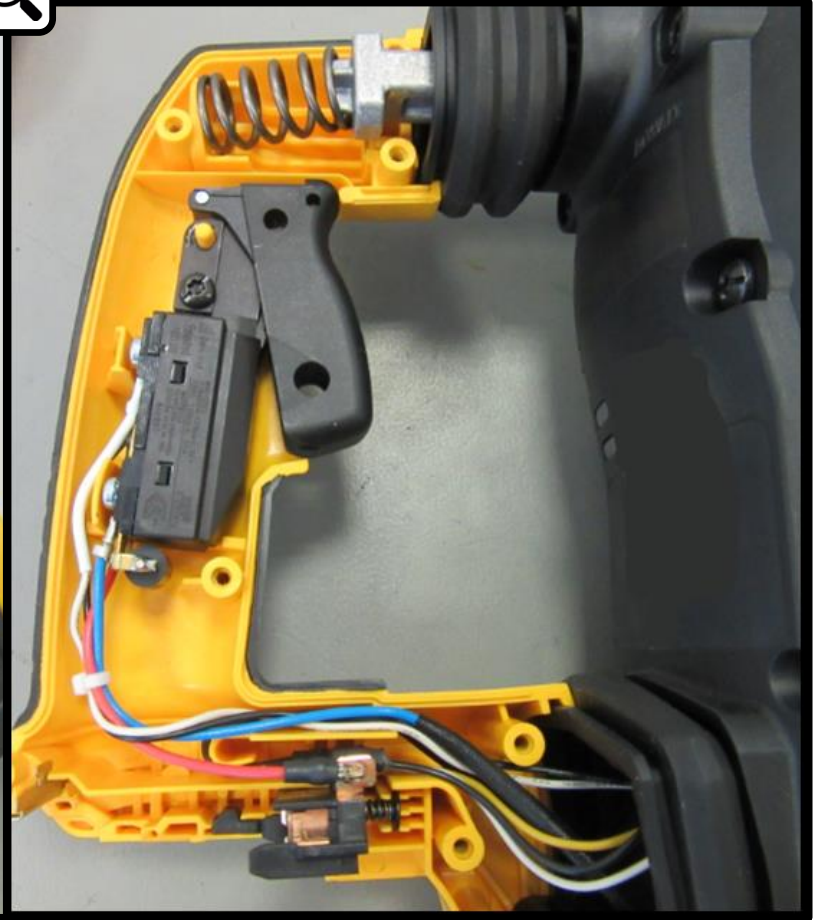


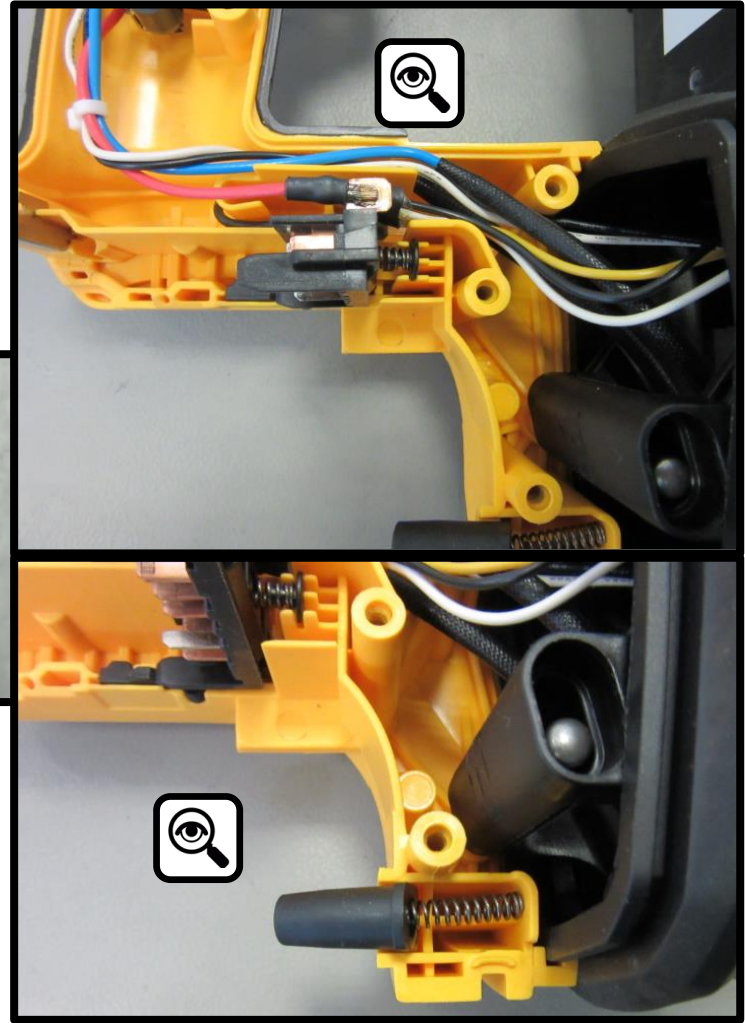
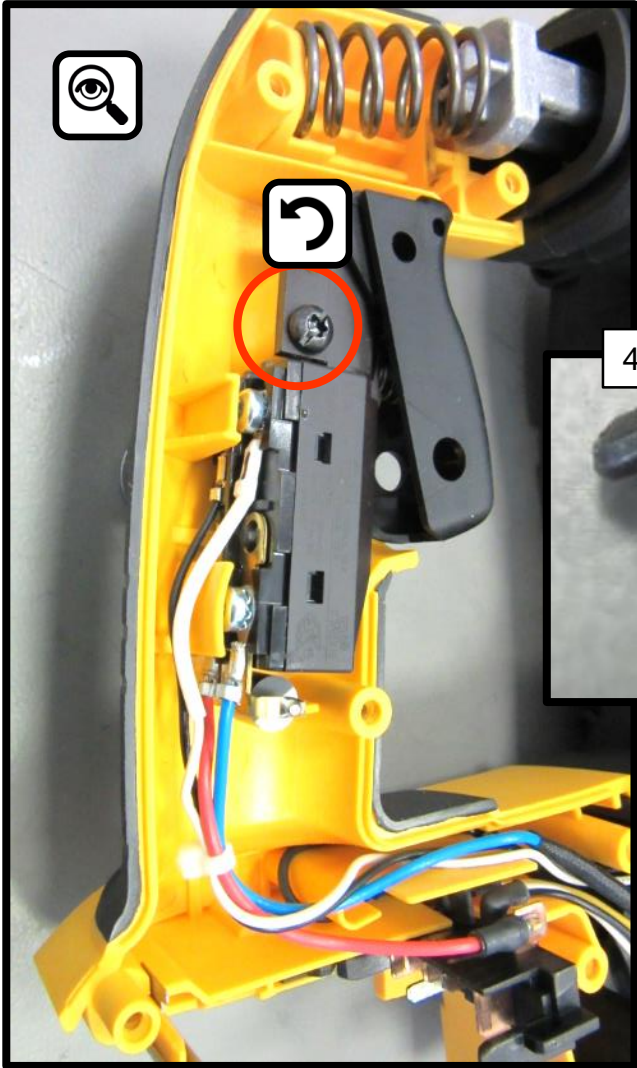
DCH733 Handle switch sa ROTARY HAMMER 1



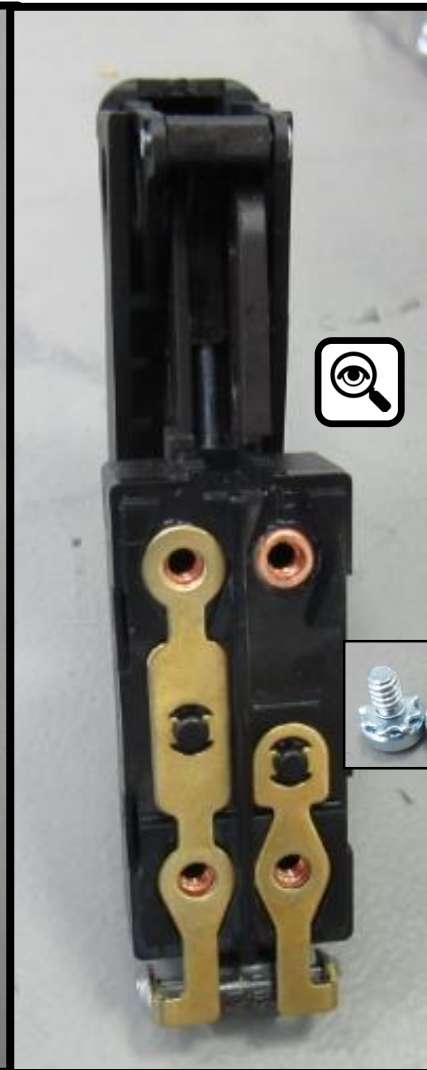
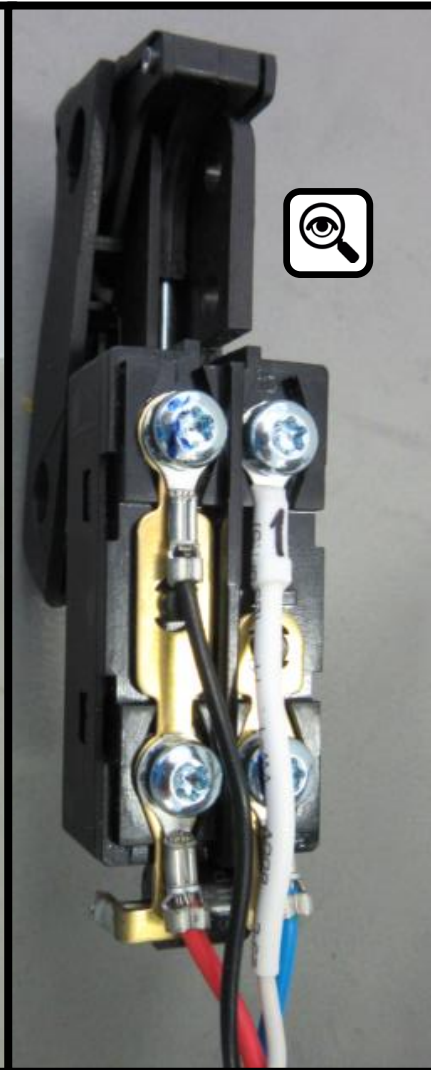
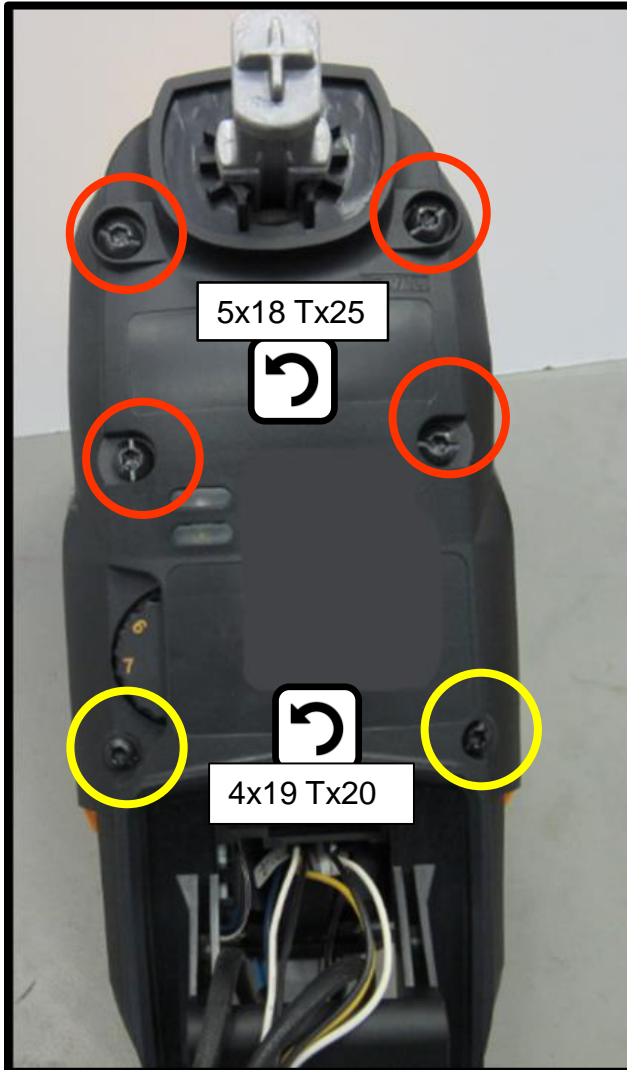
5x18 Tx20

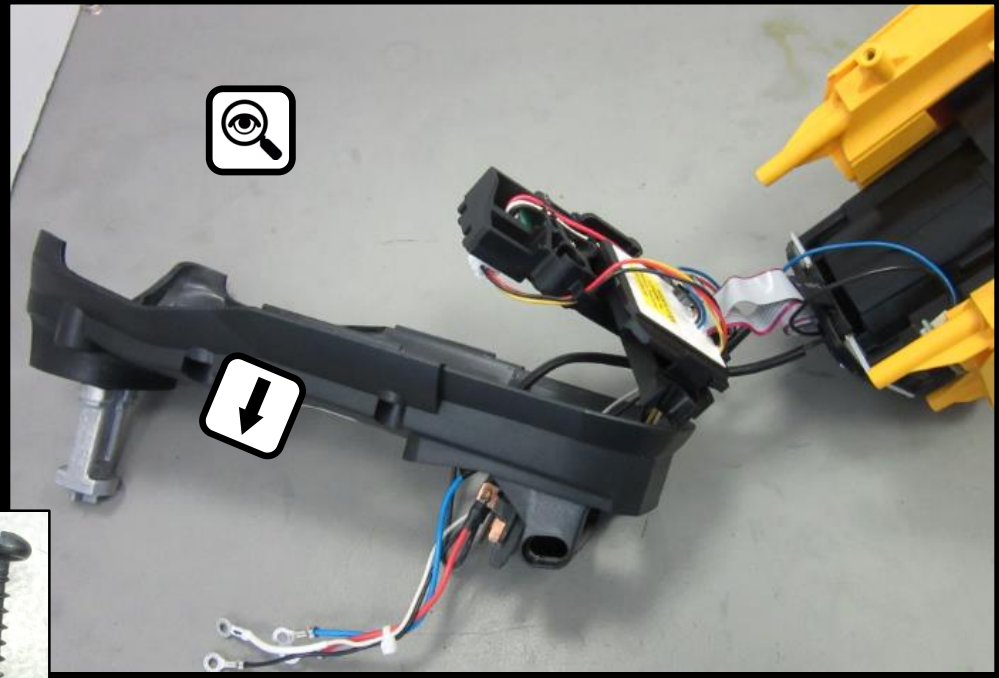
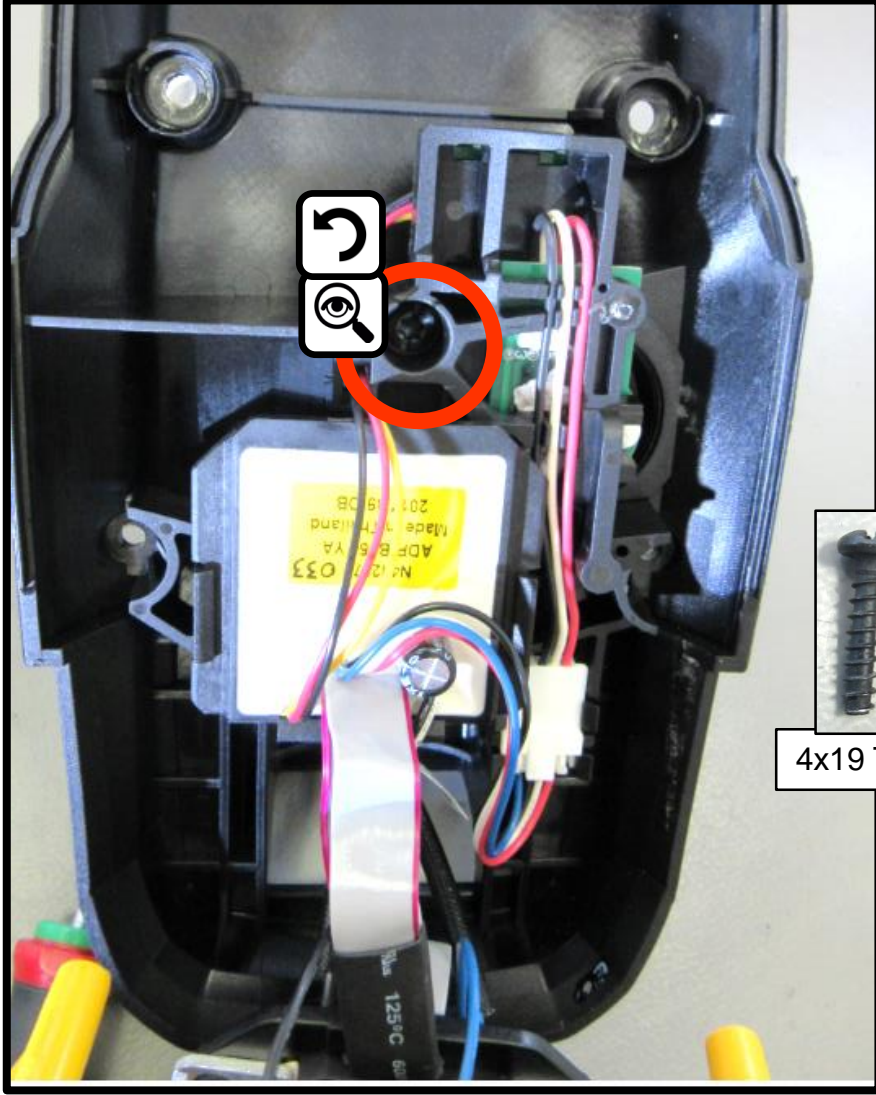




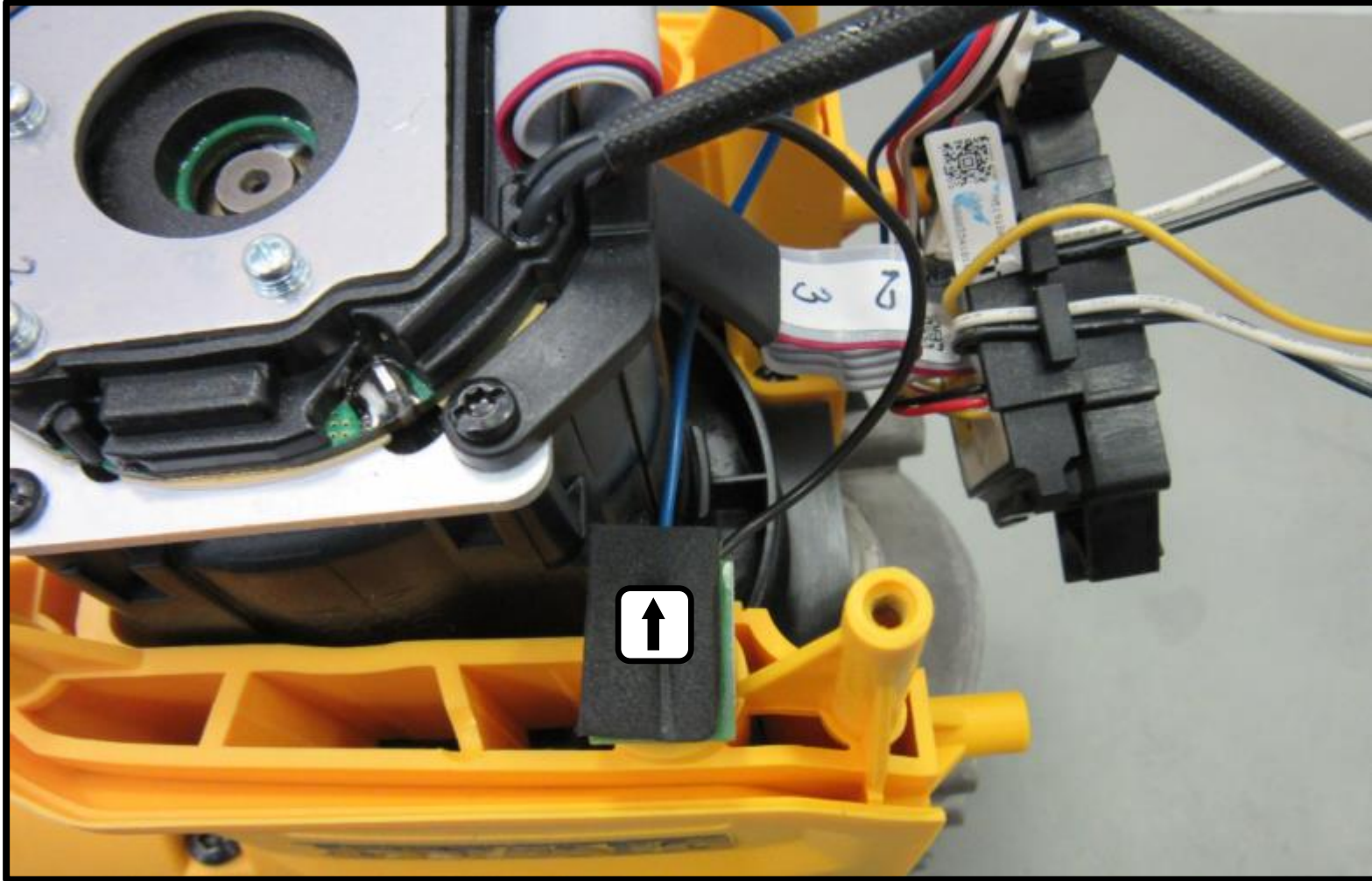


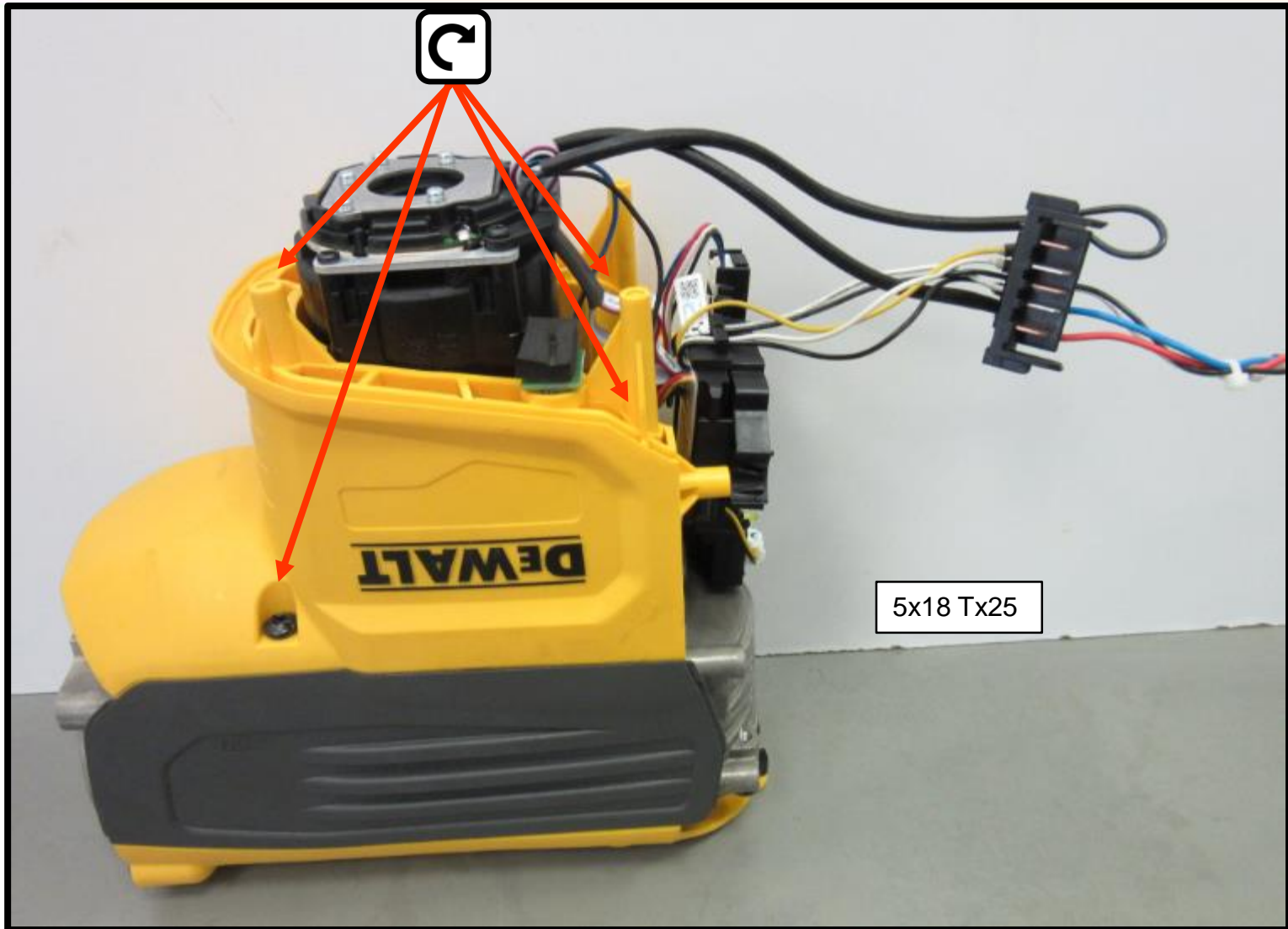


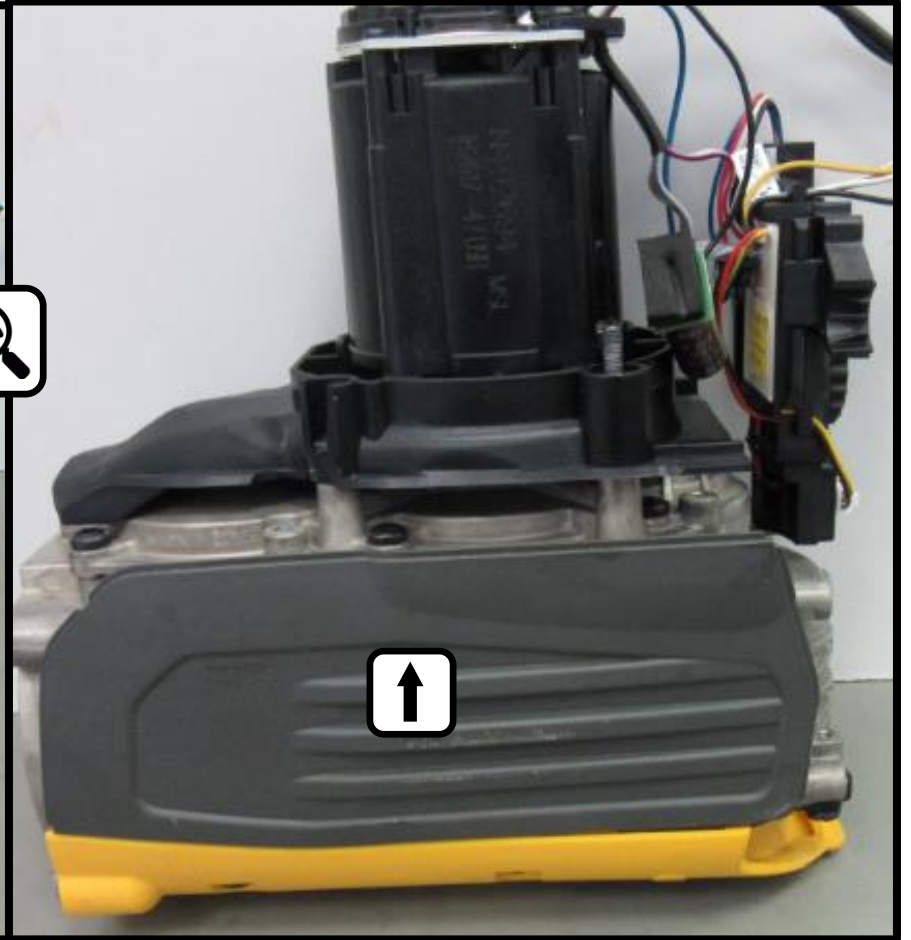
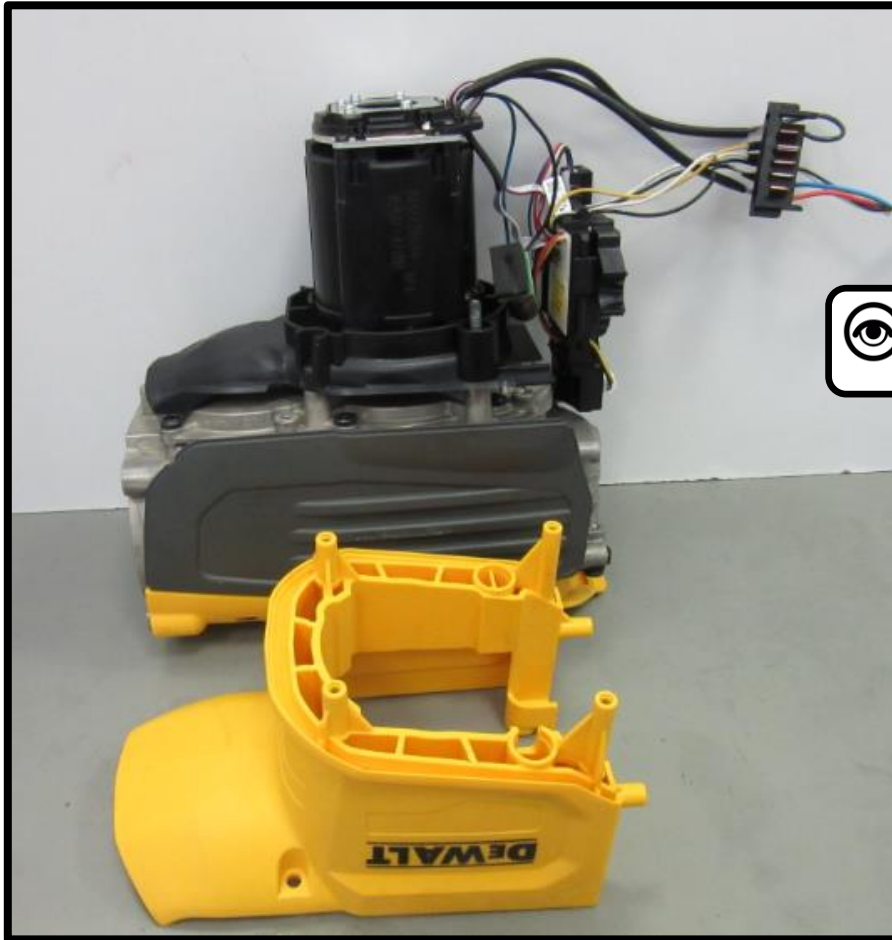


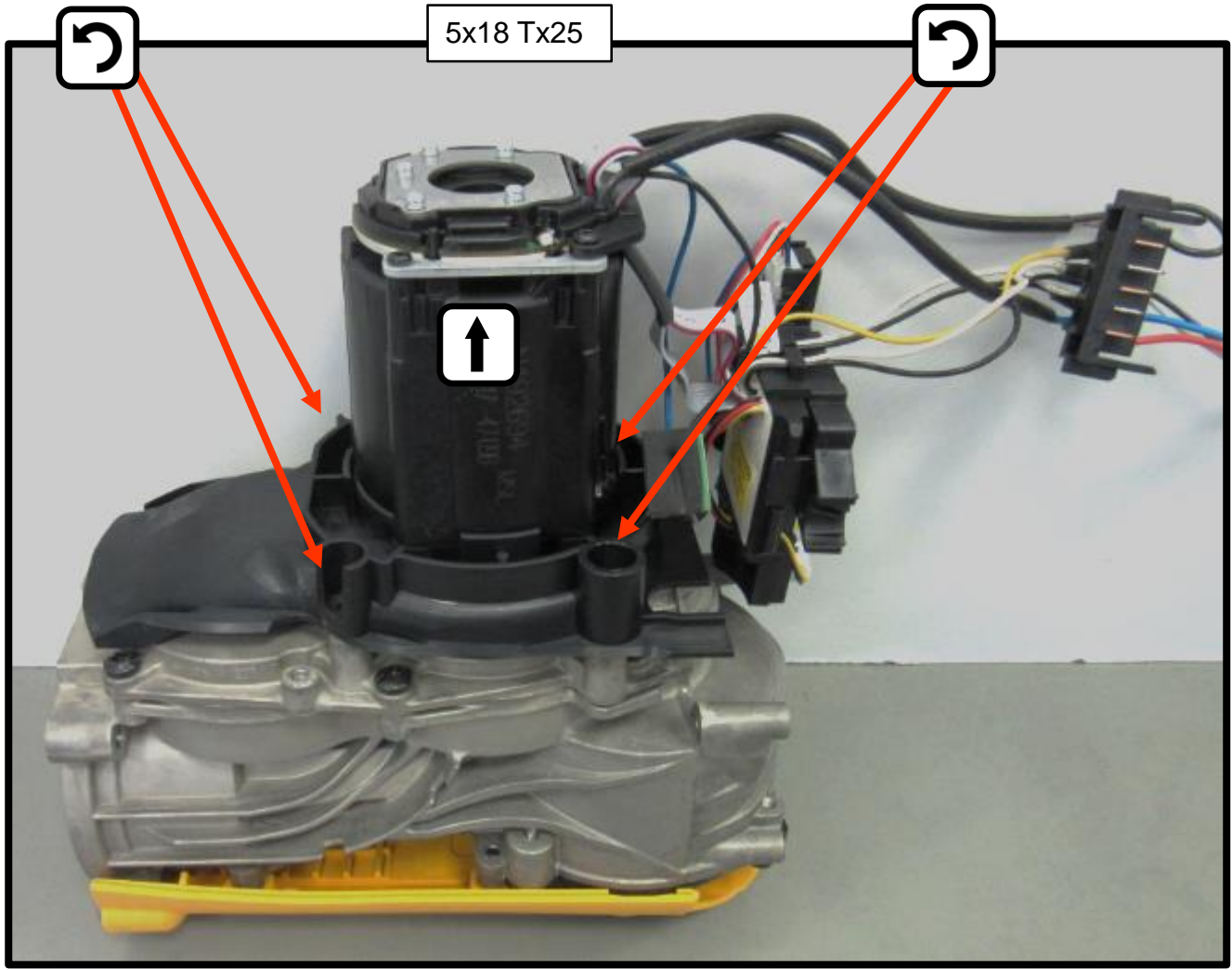


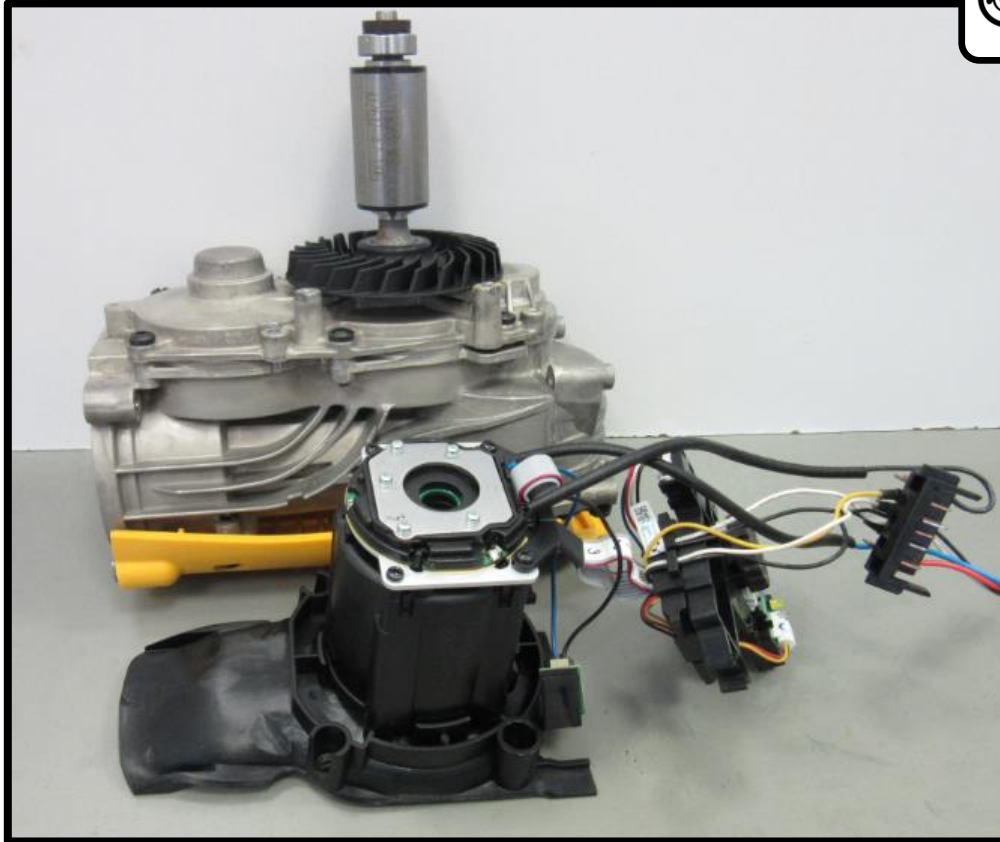
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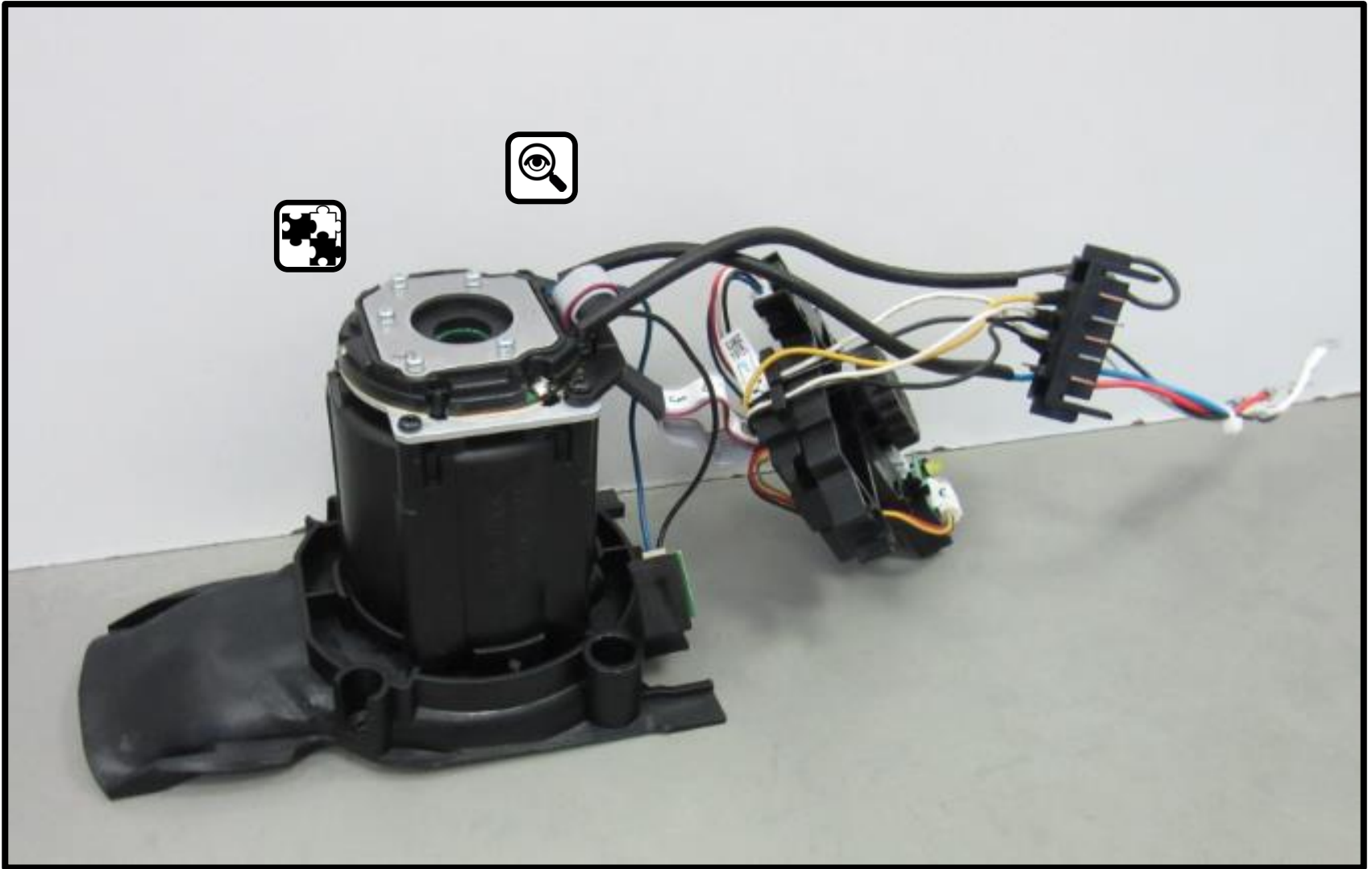






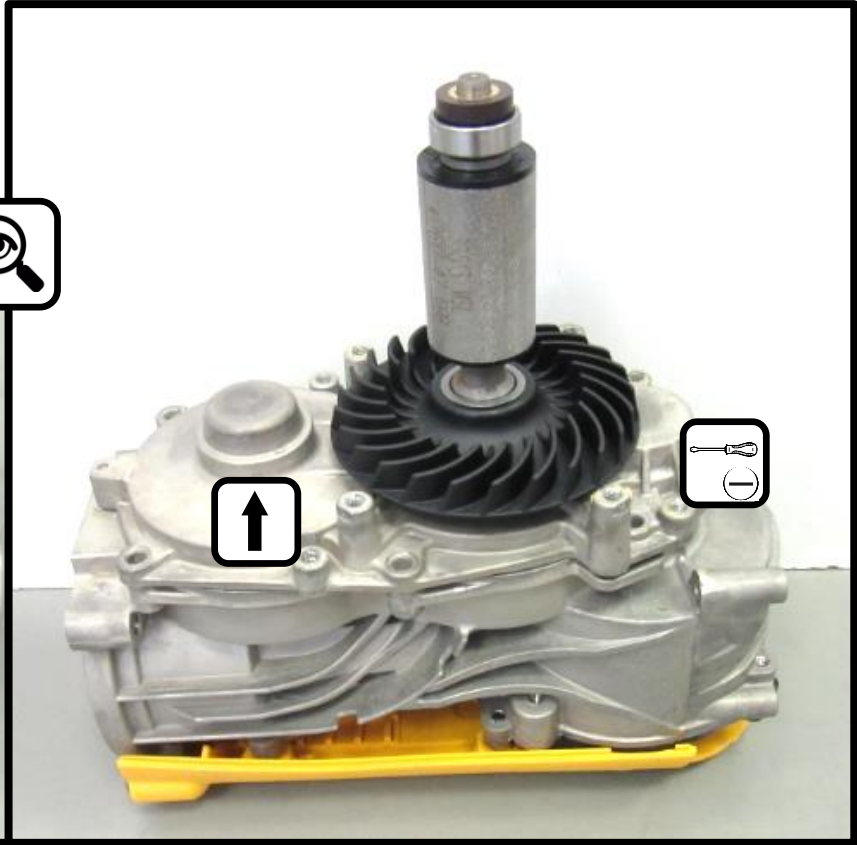
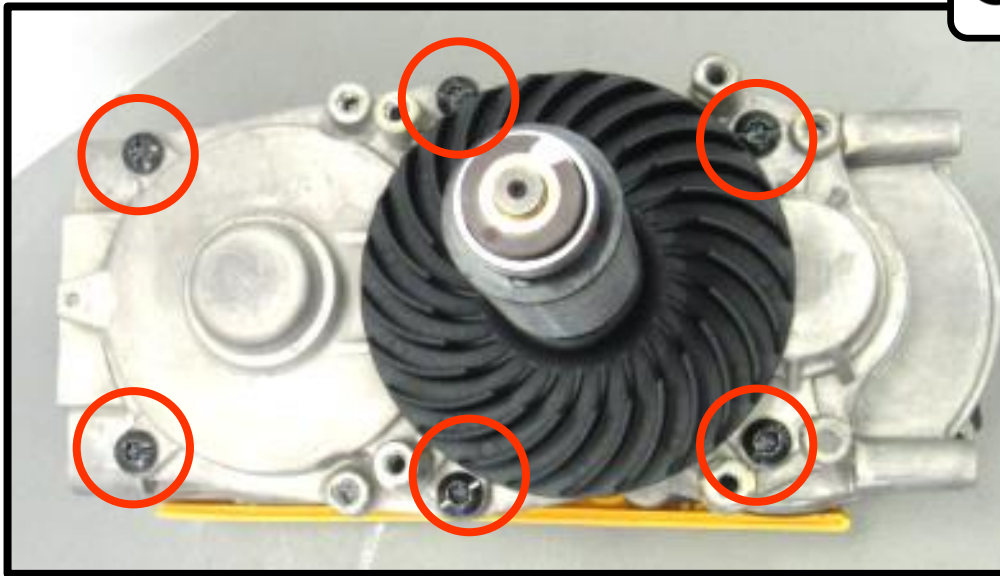


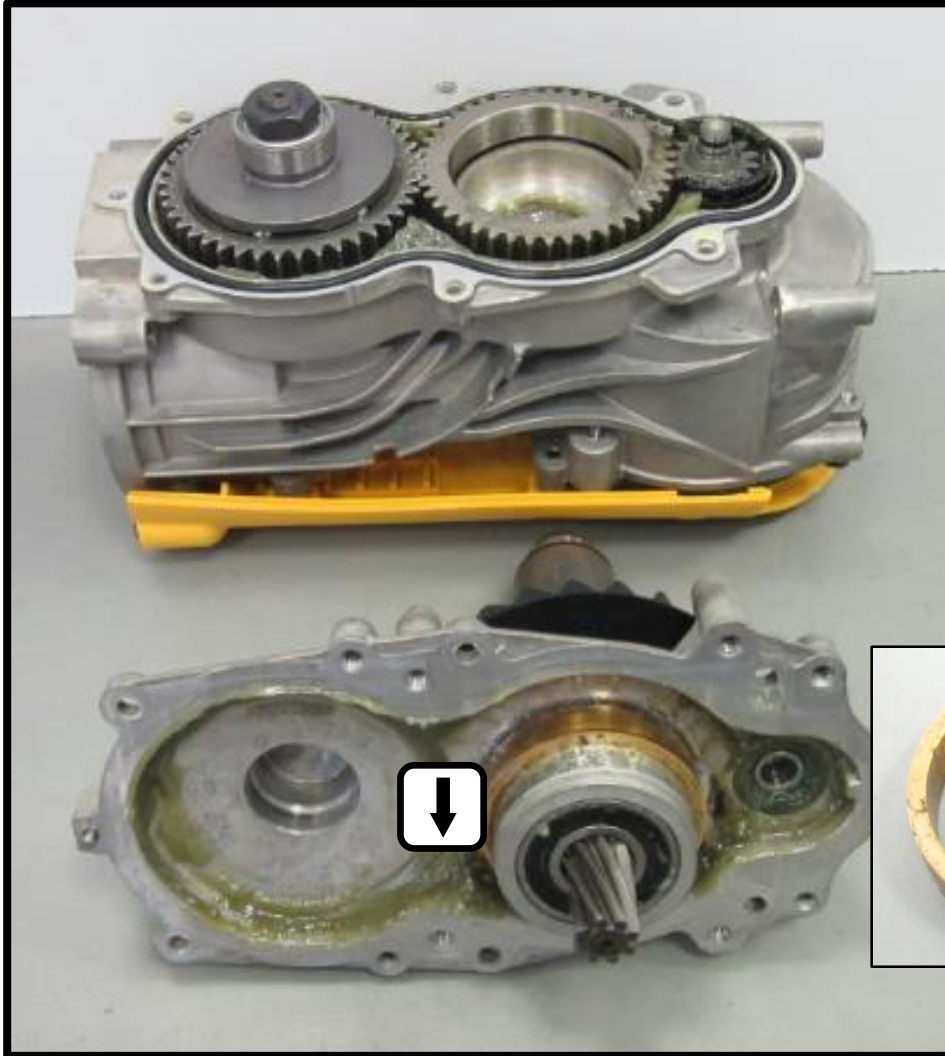


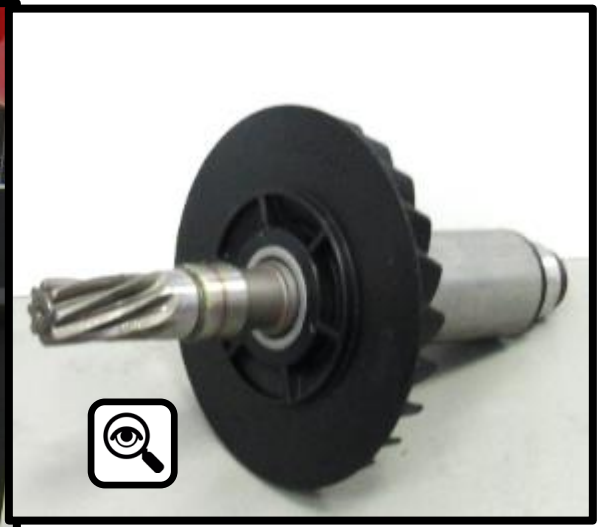
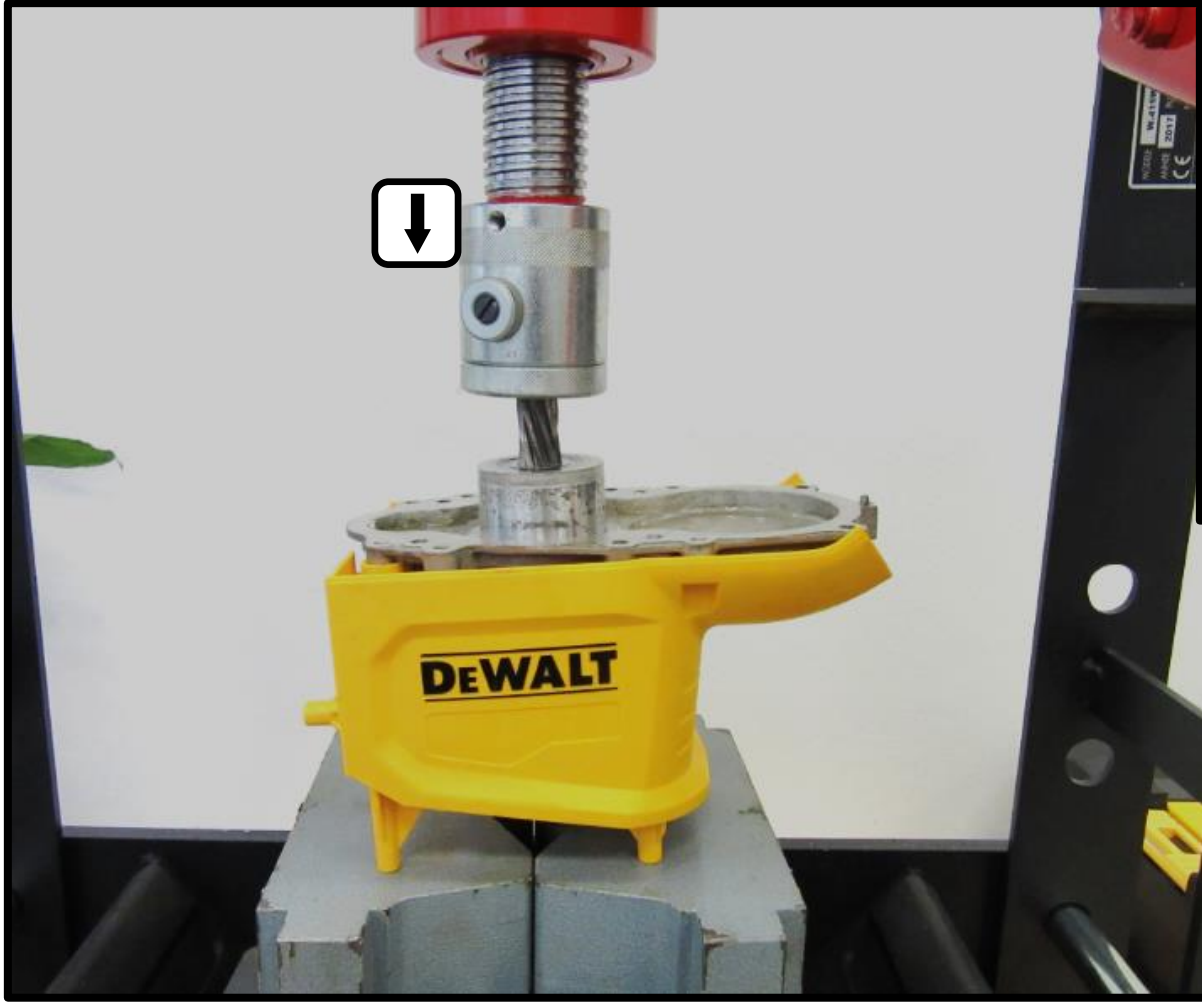




Disassembling Gear
DCH733/D25733/
D25872/D25773/D25892

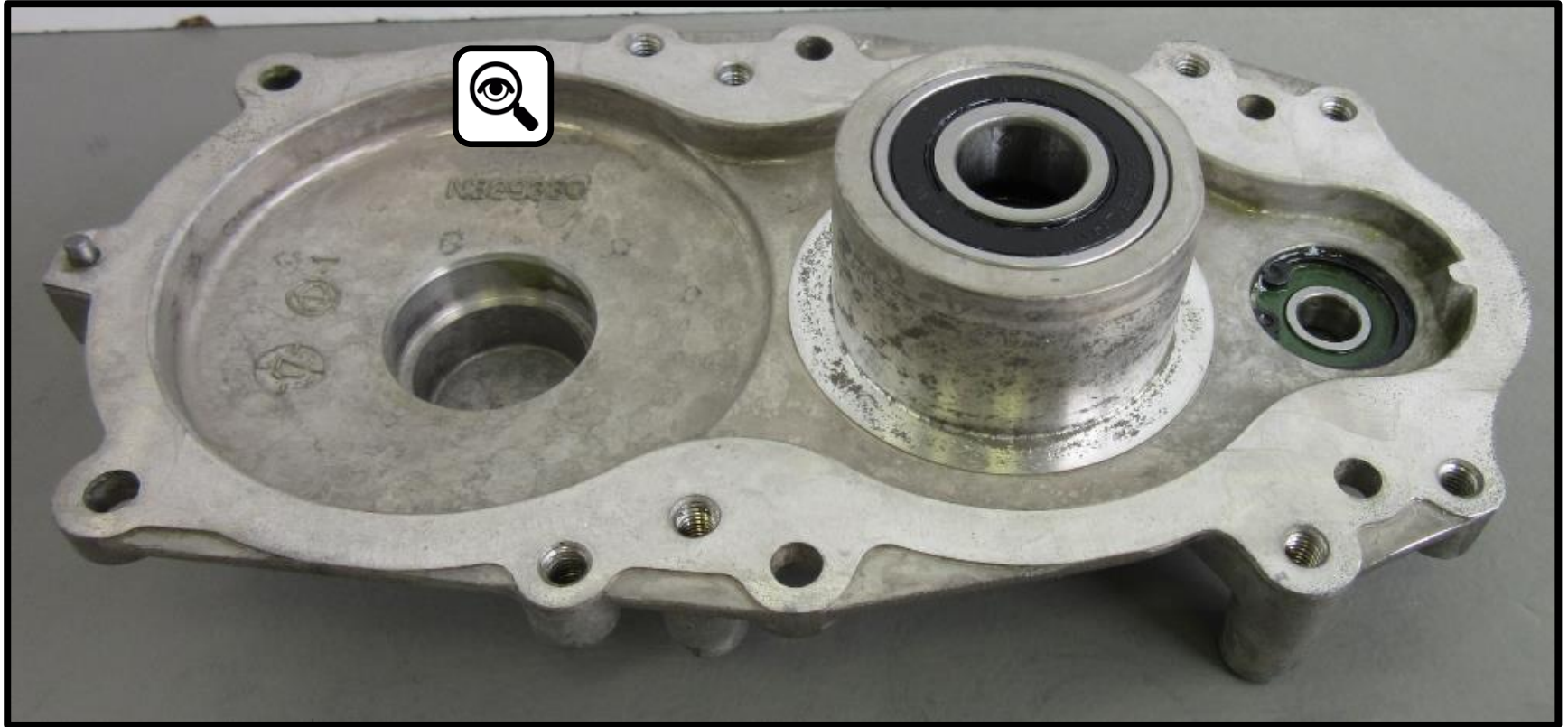


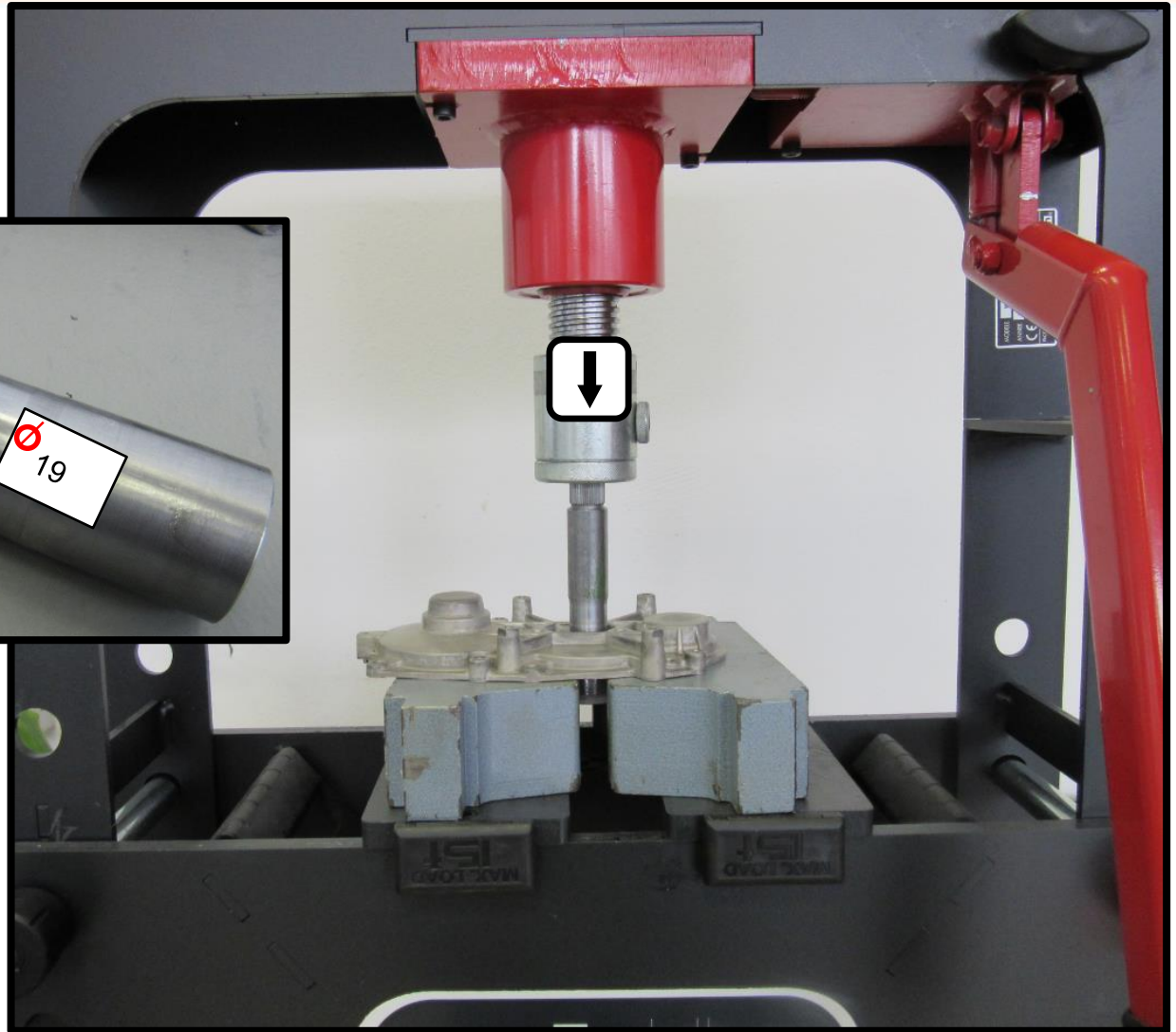
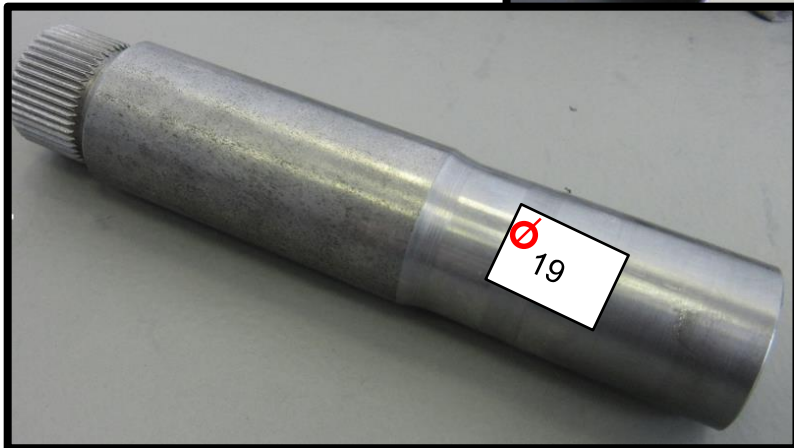


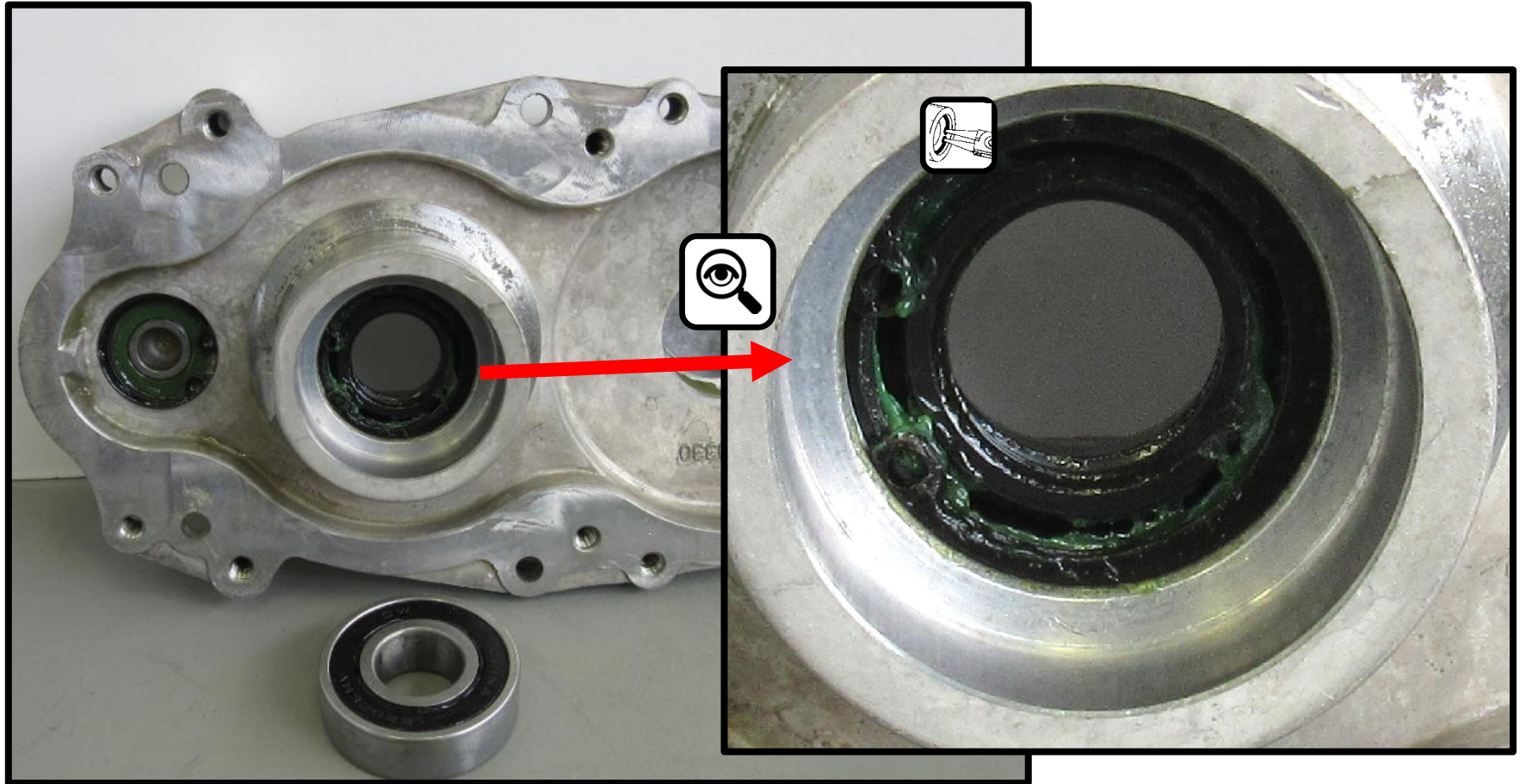


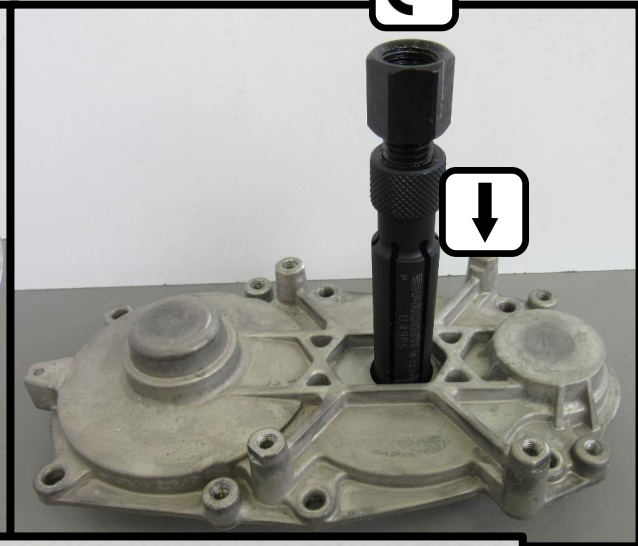
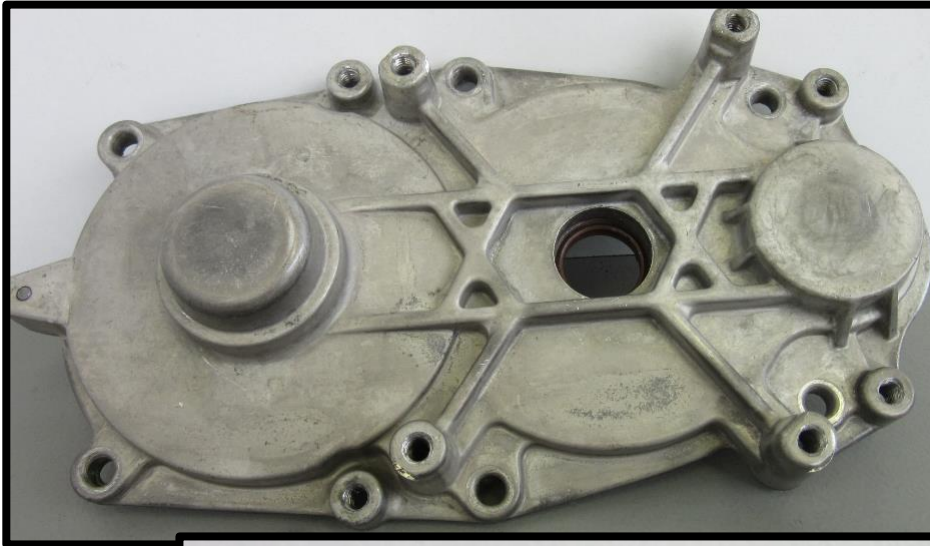


Disassembling
Gear Case Cover
DCH733/D25733/D25773

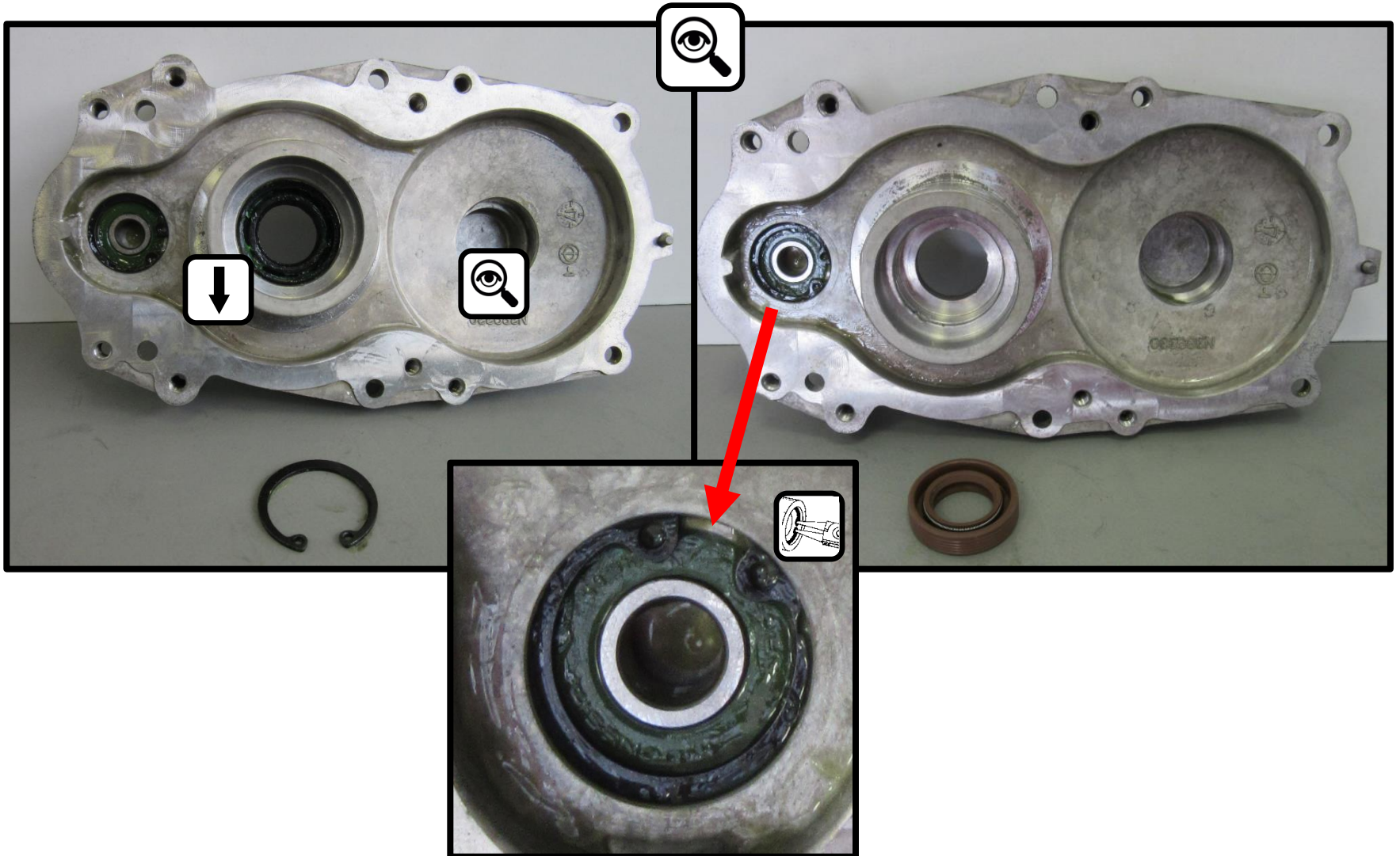


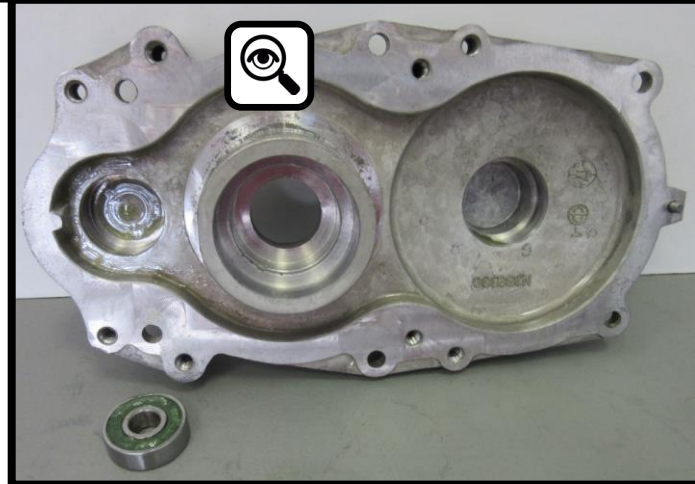
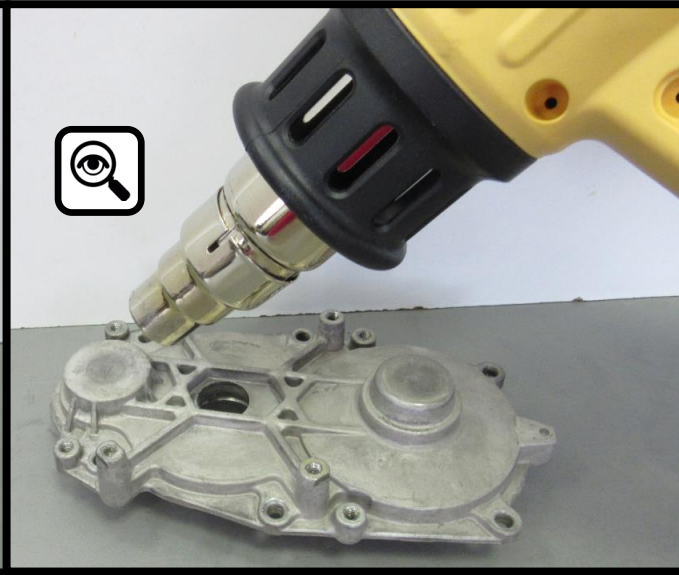
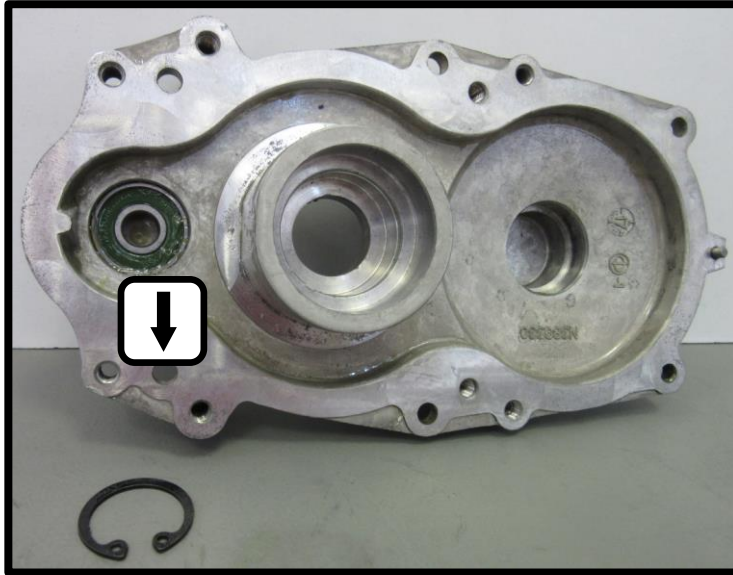


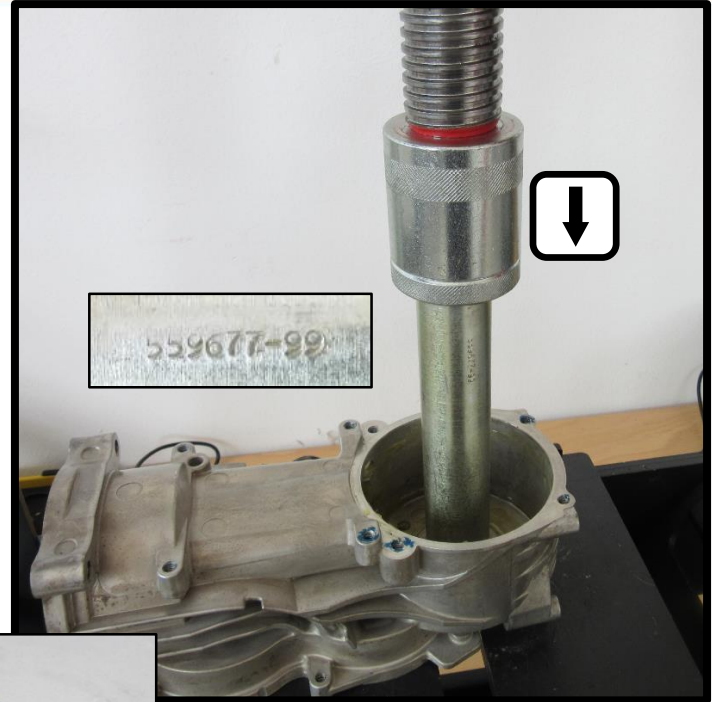
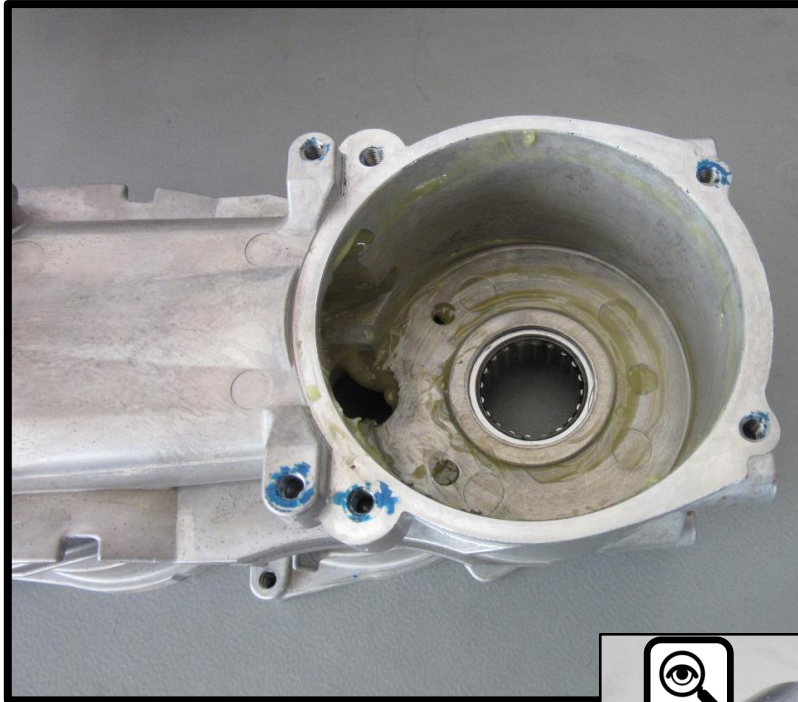


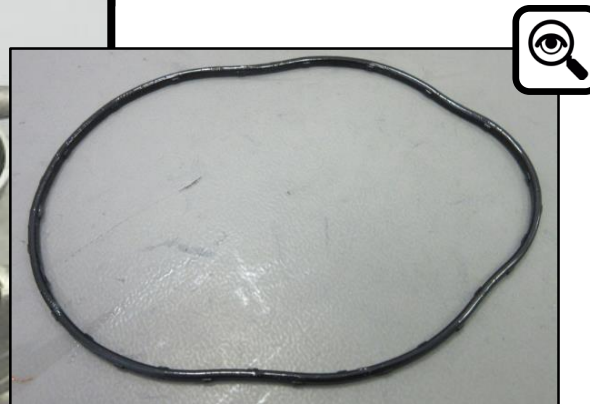
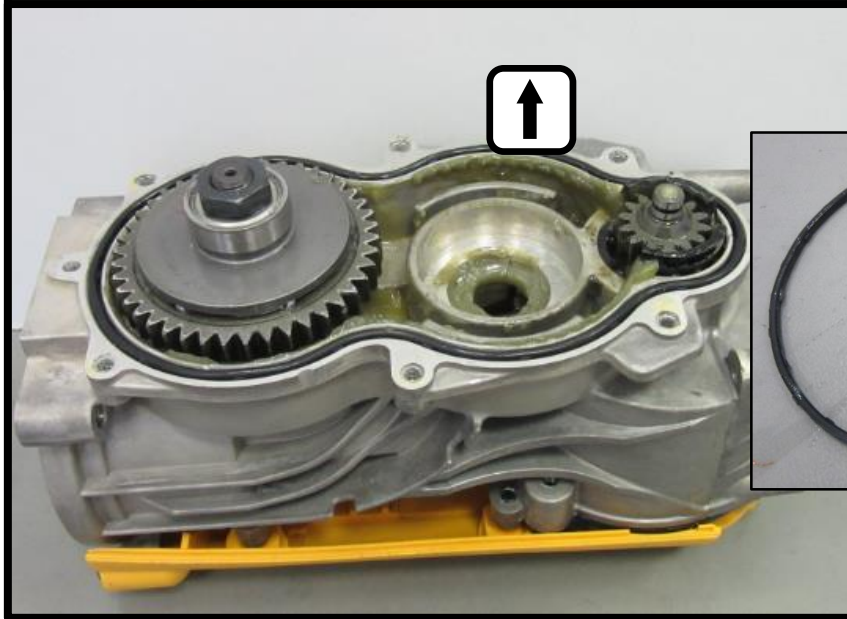
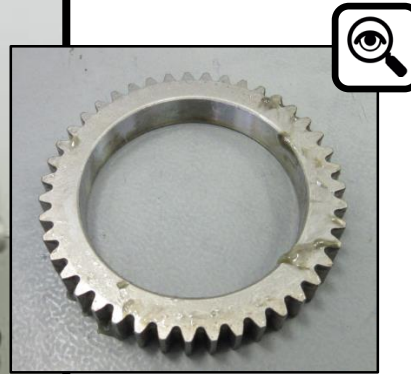
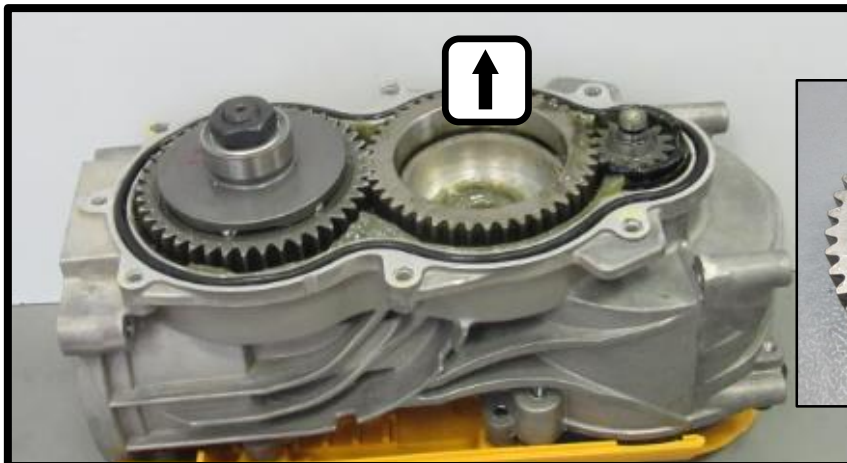


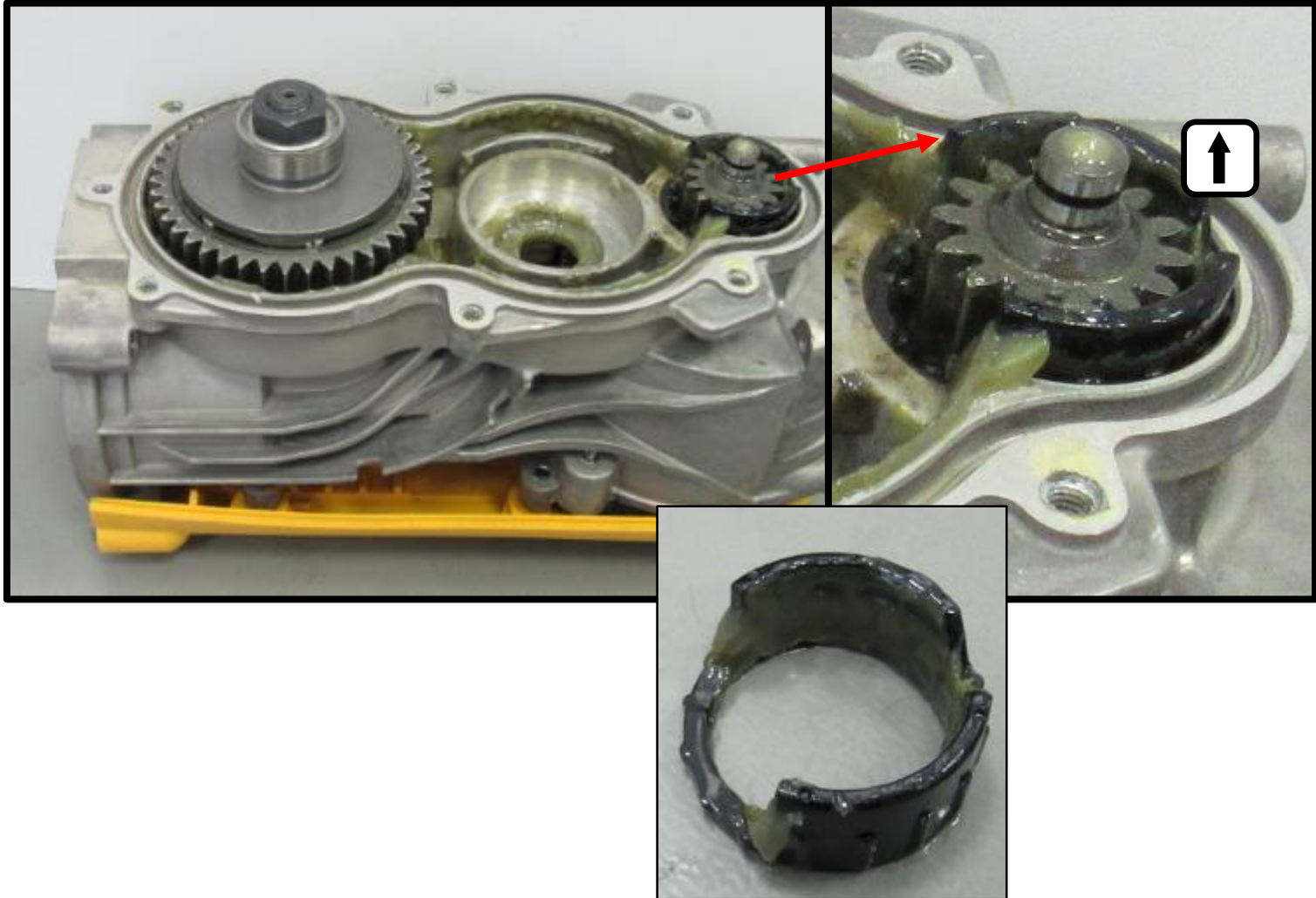
Flanged bearing puller

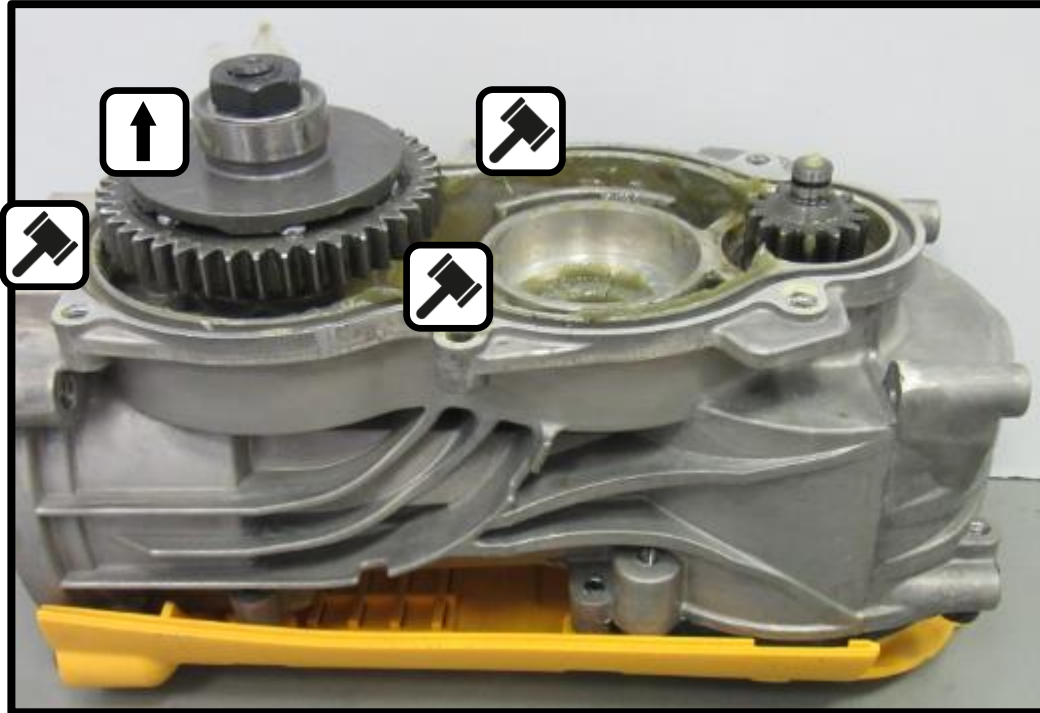








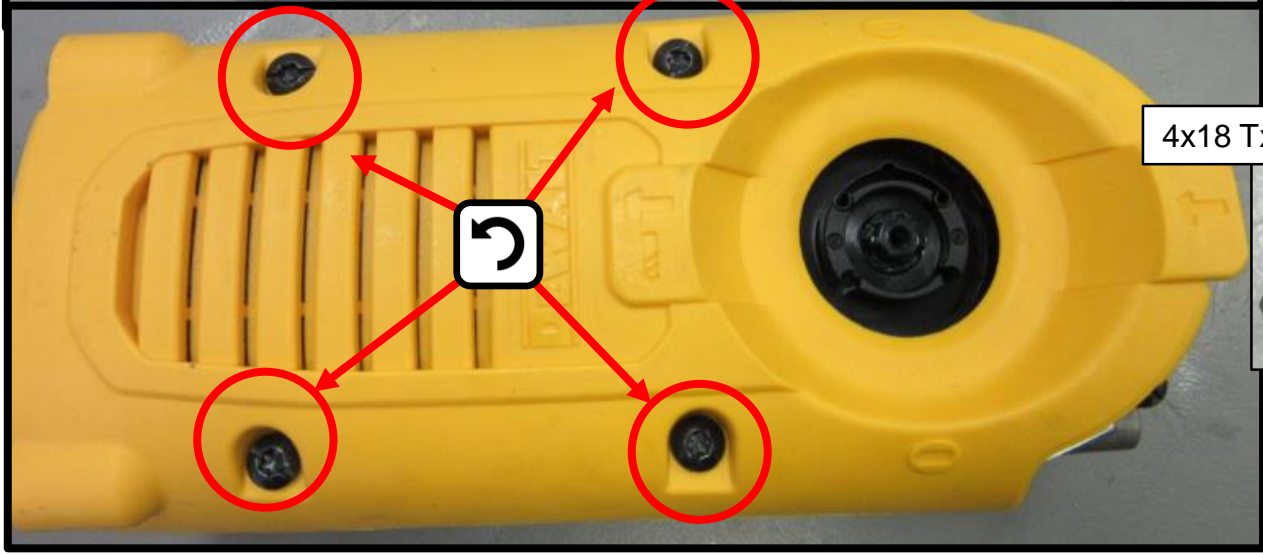






Disassembling Connecting Rod Piston

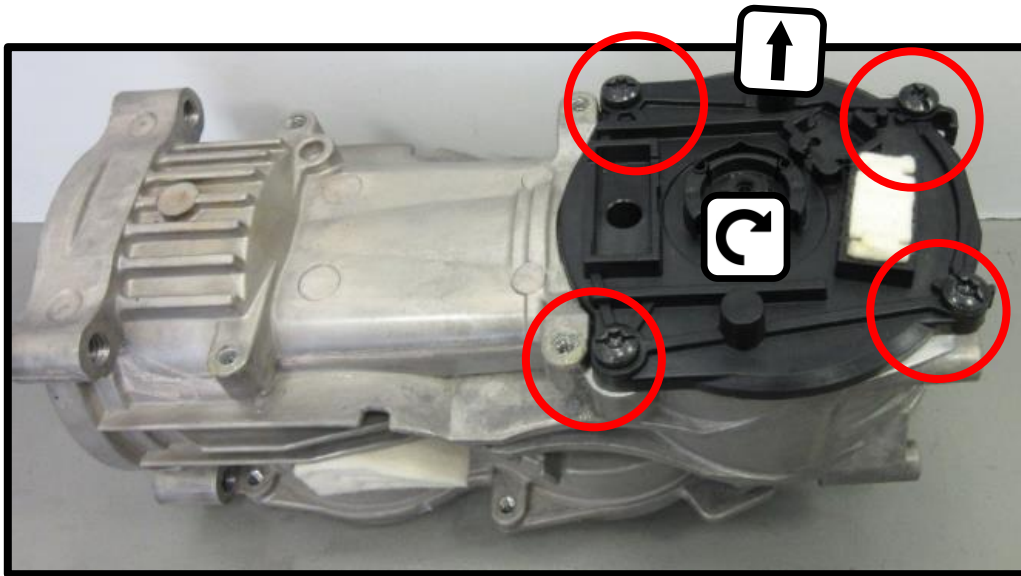
DCH733/D25733/
D25872/D25773/D25892

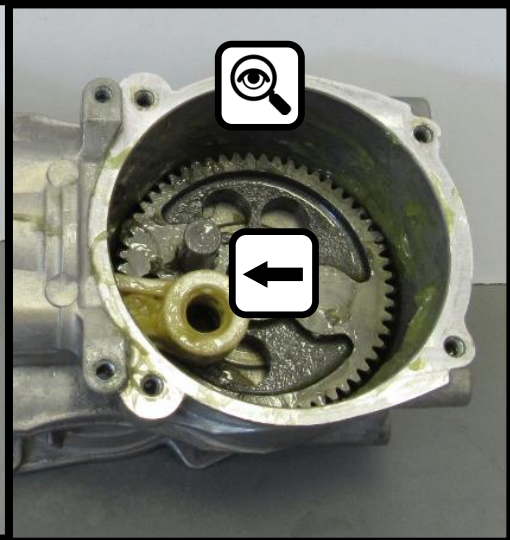
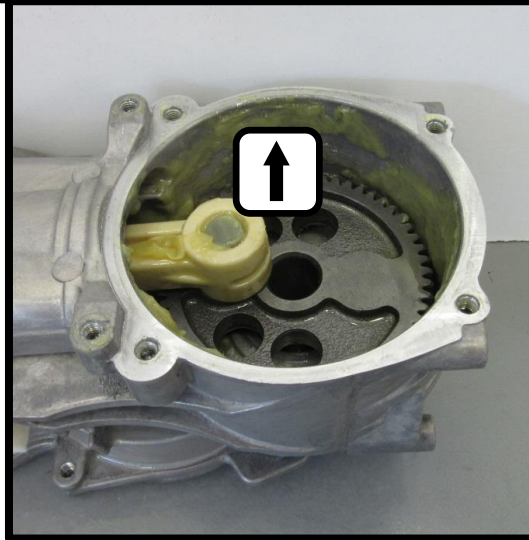
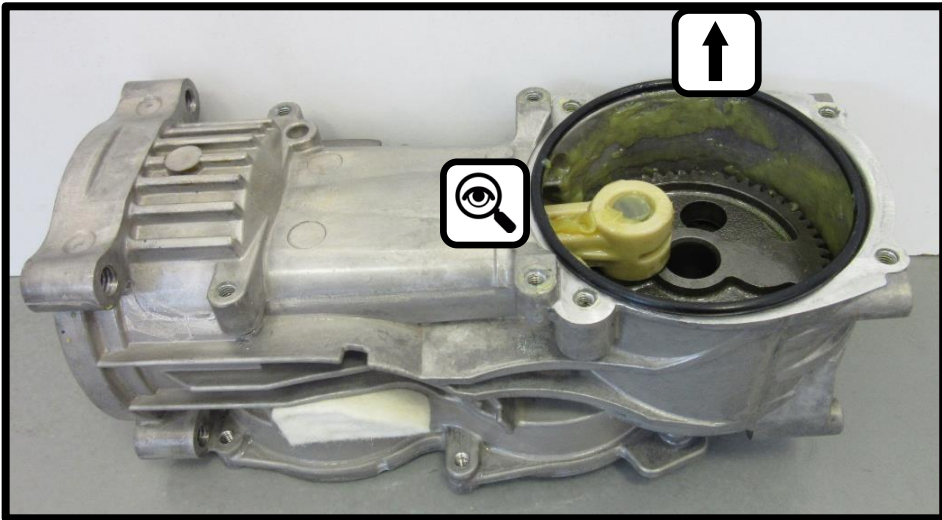


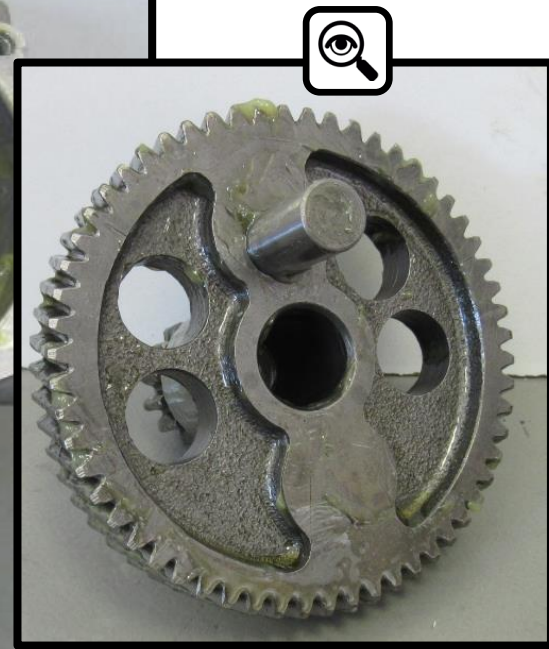
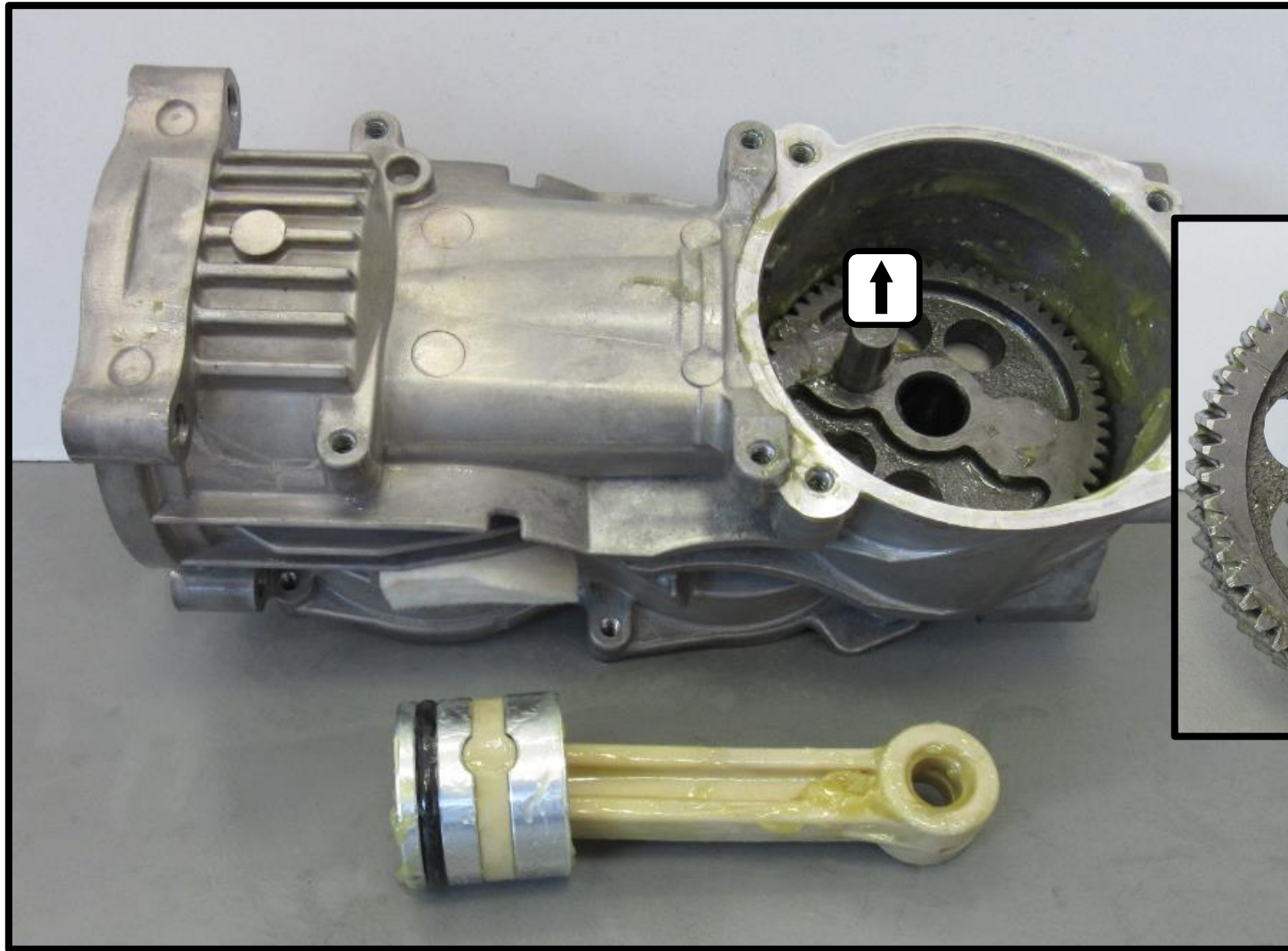
4x18 Tx20

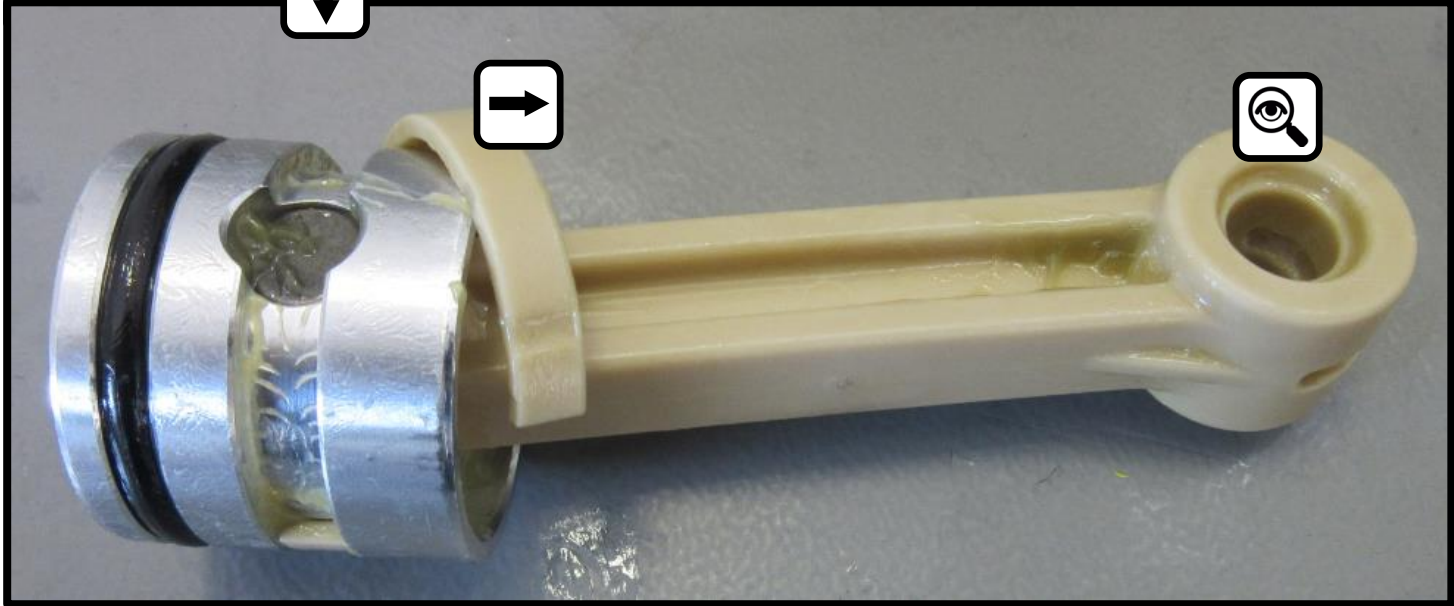
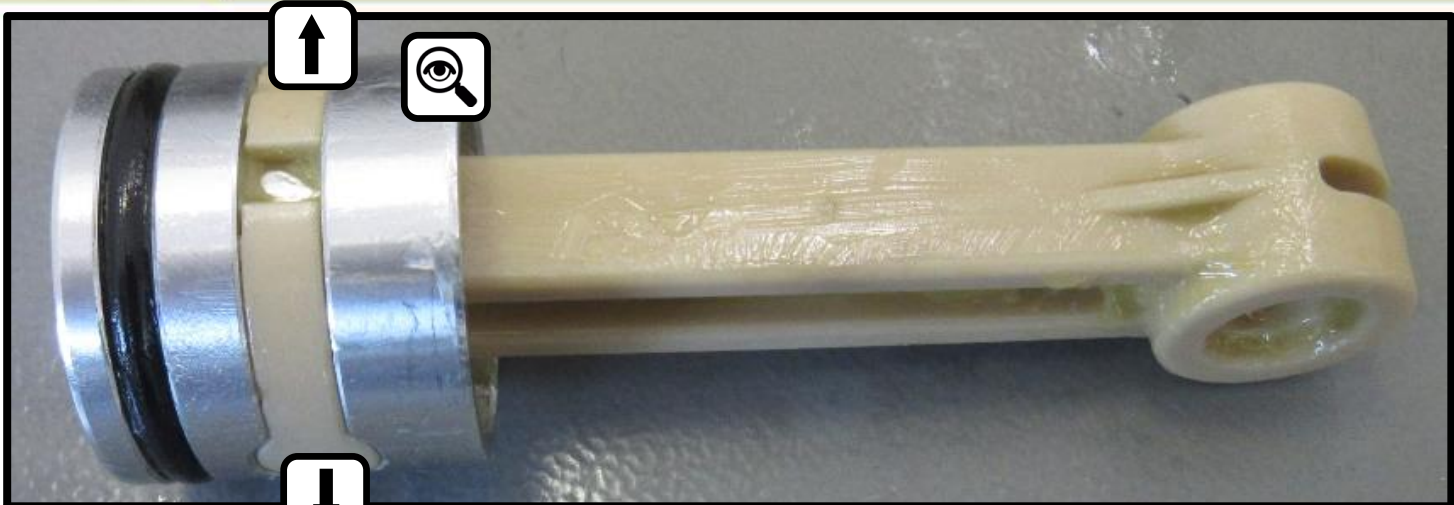


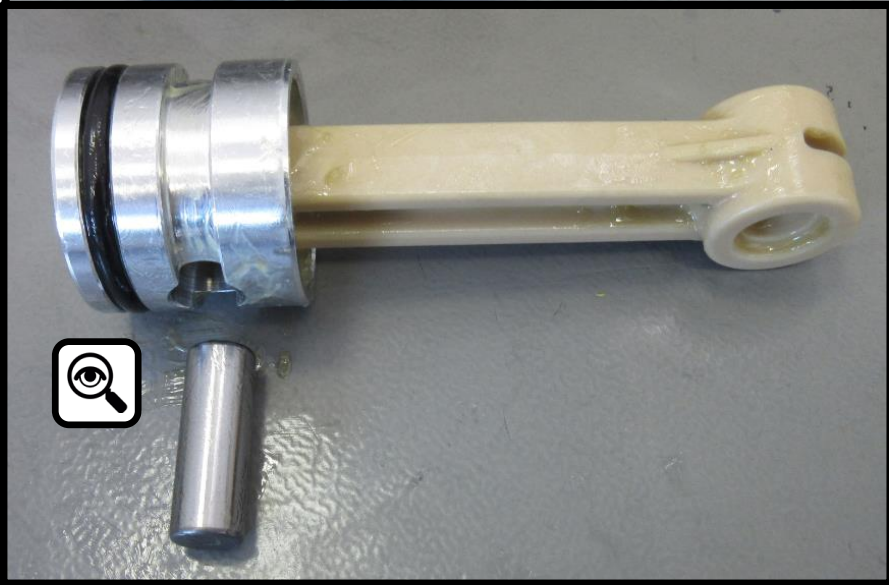


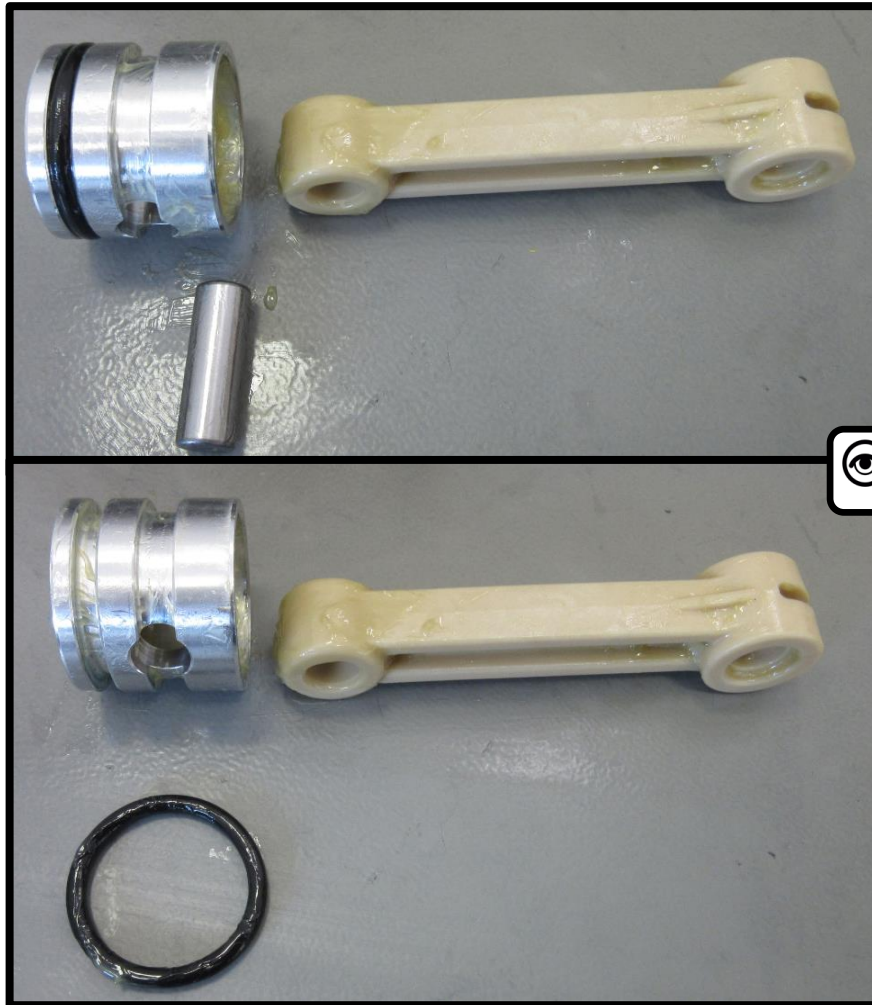






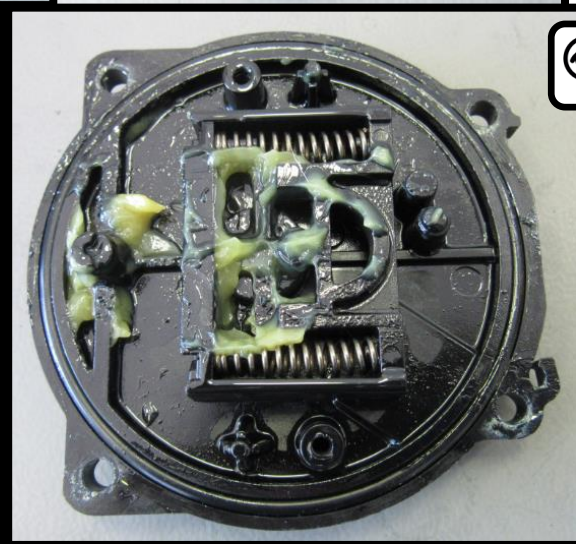
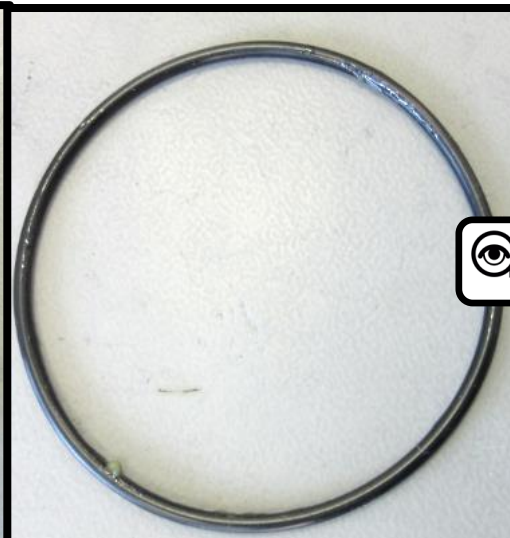
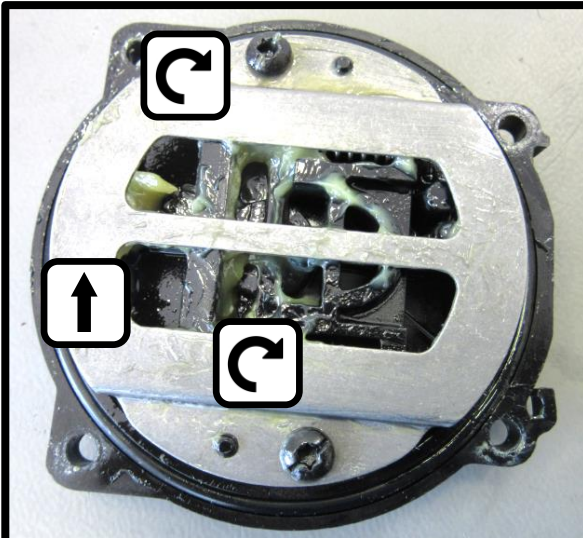


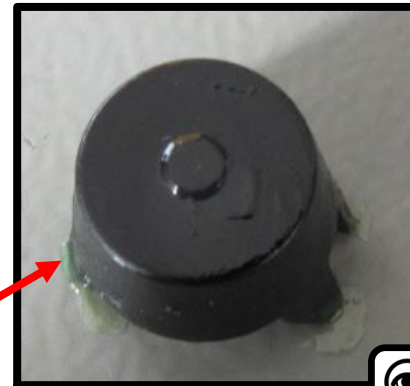
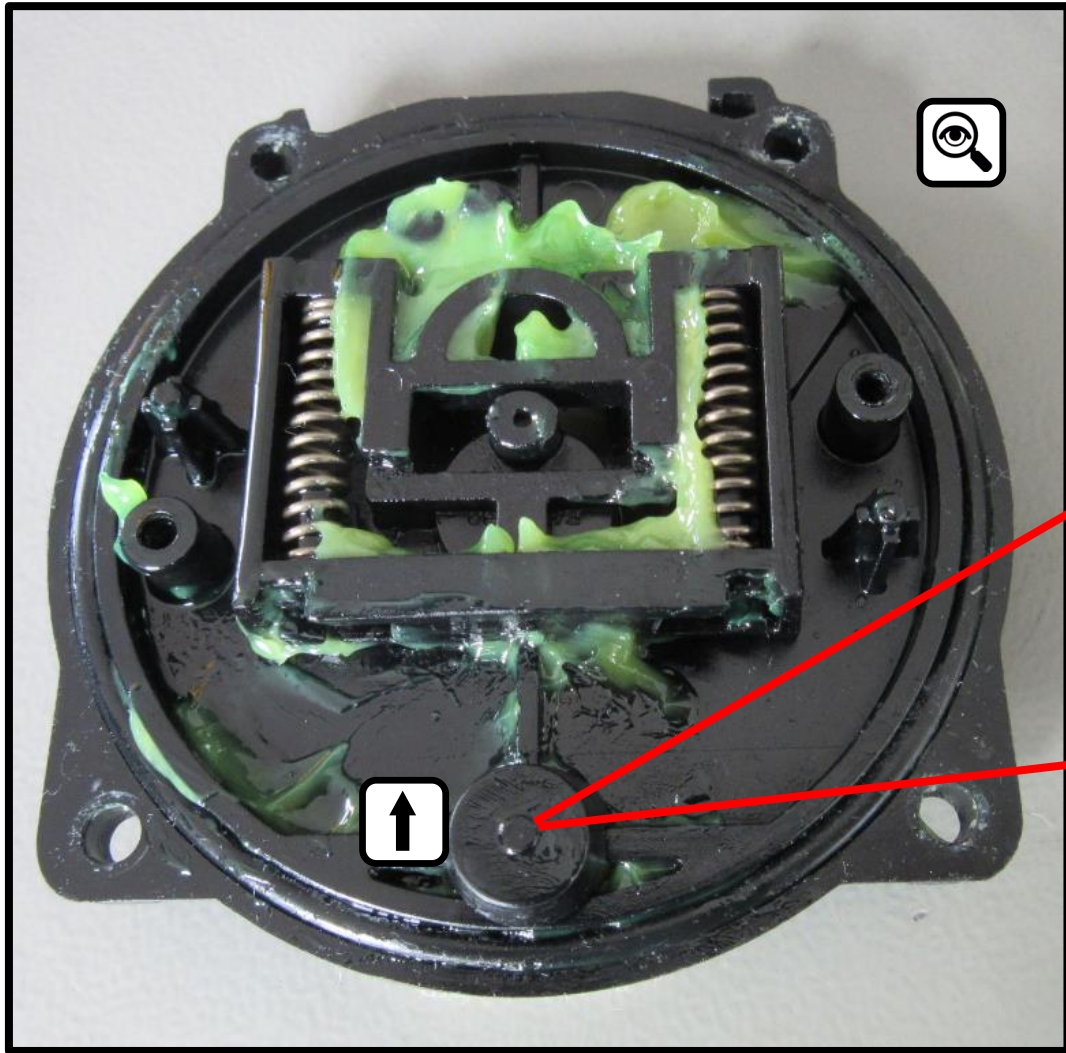


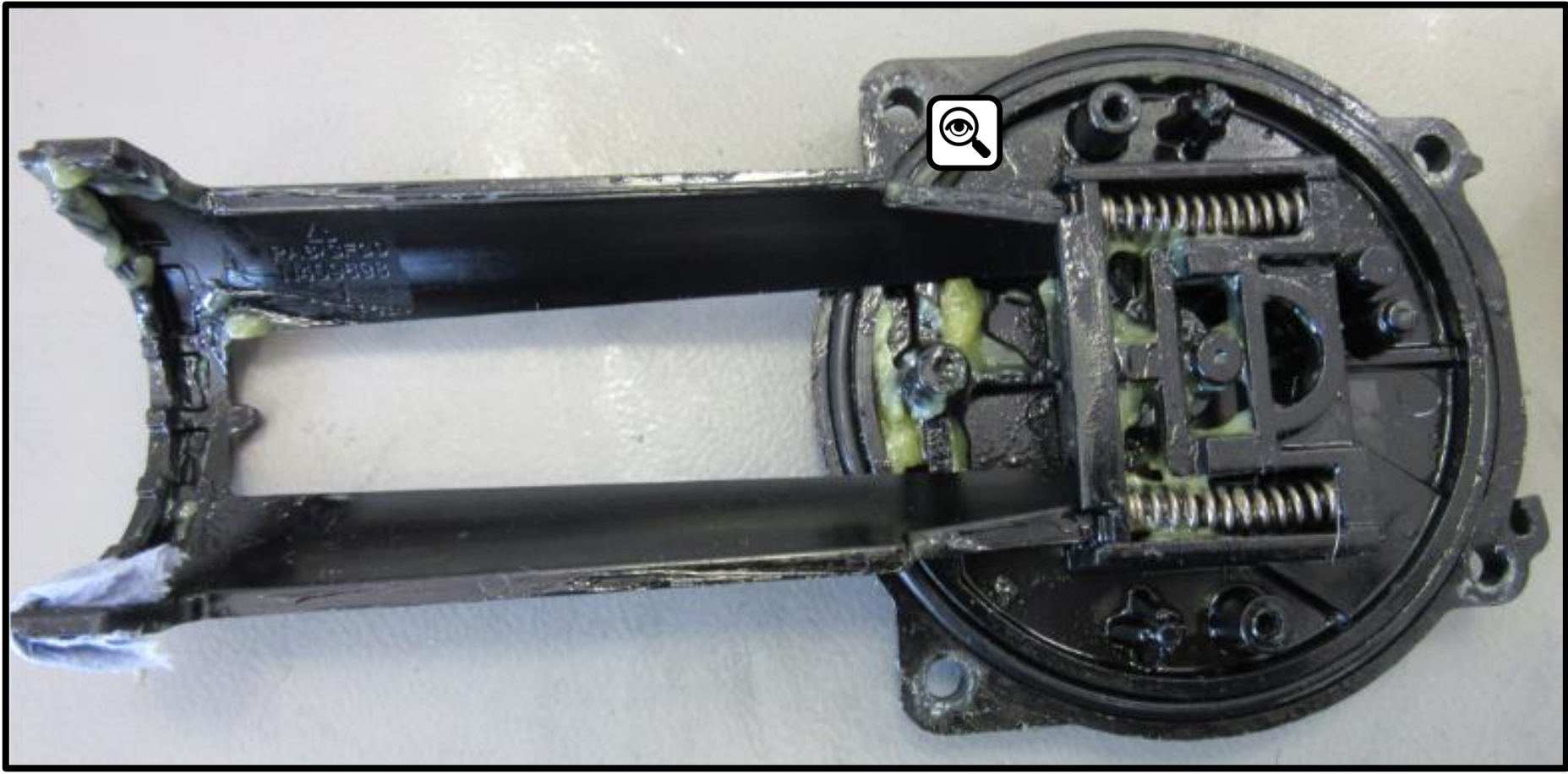


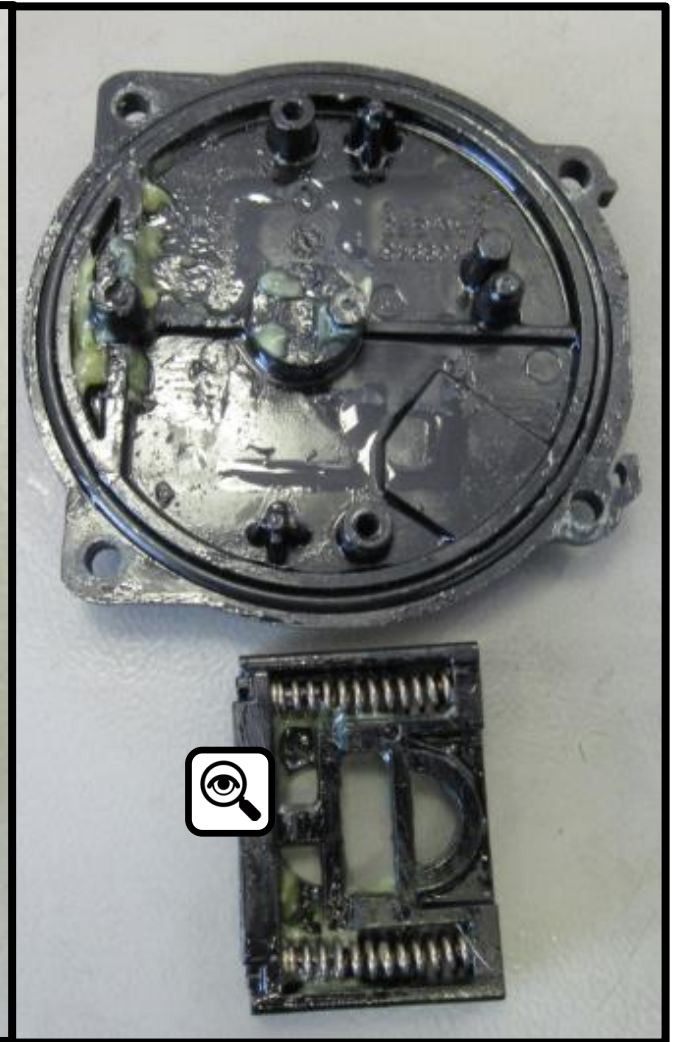
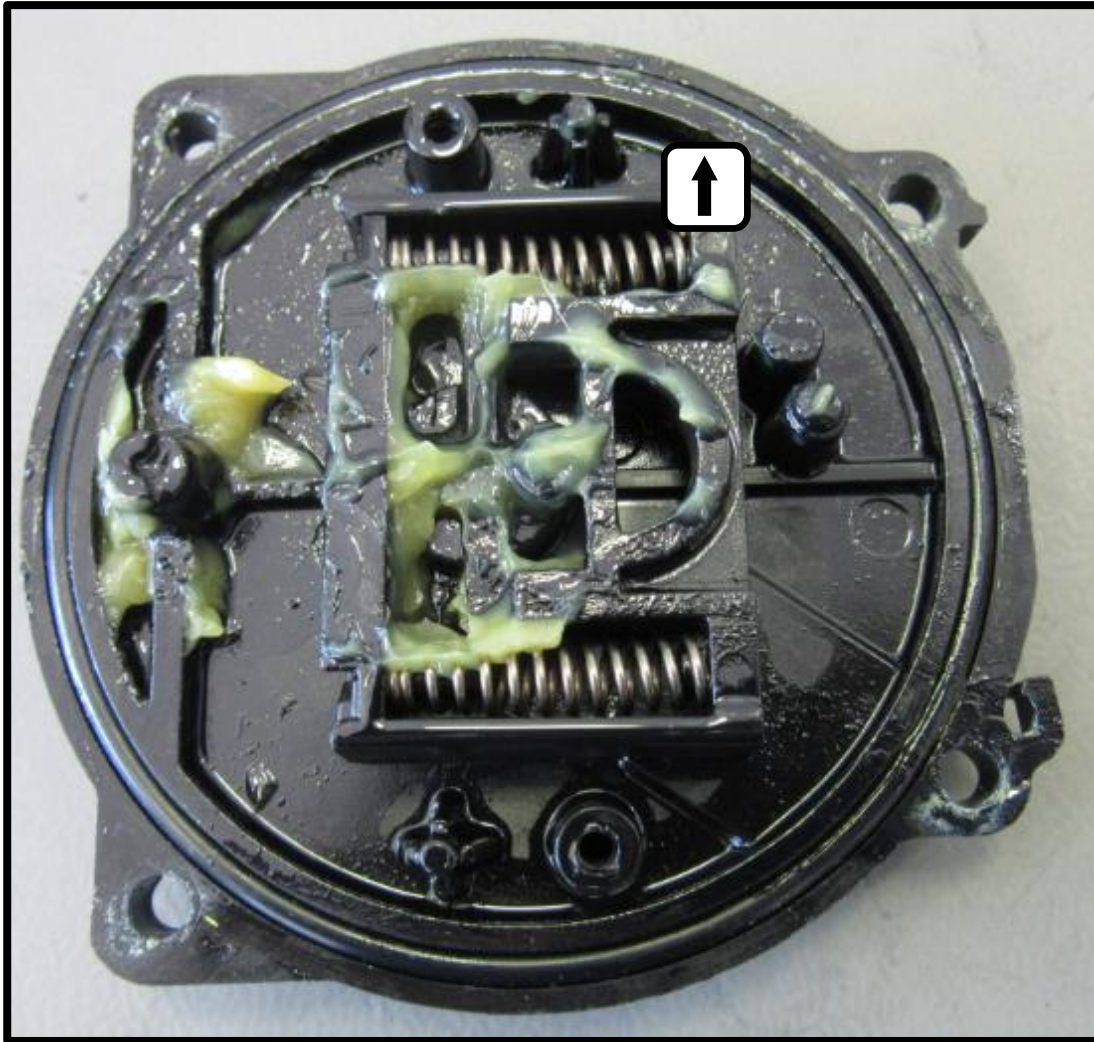


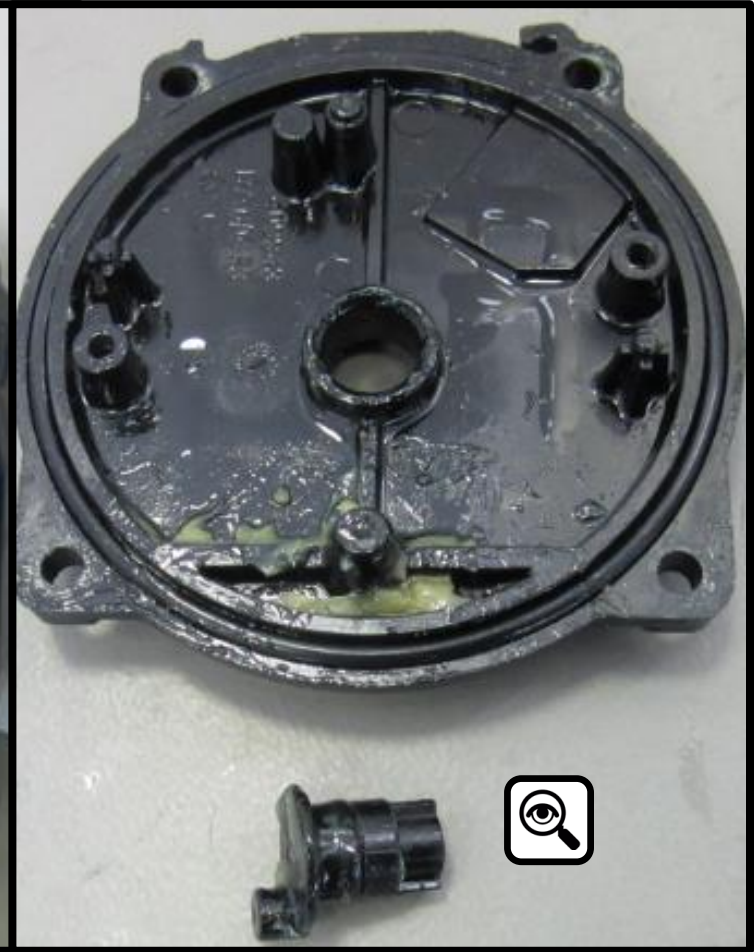
Disassembling
Synchronization-System
DCH733/D25733/
D25872/D25773/D25892

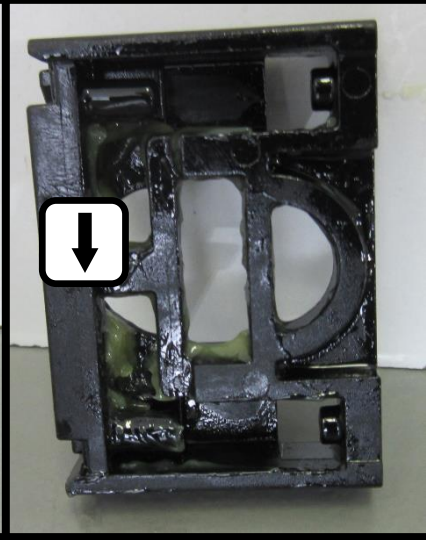
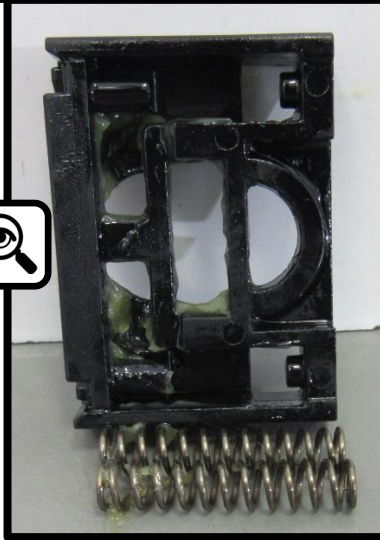
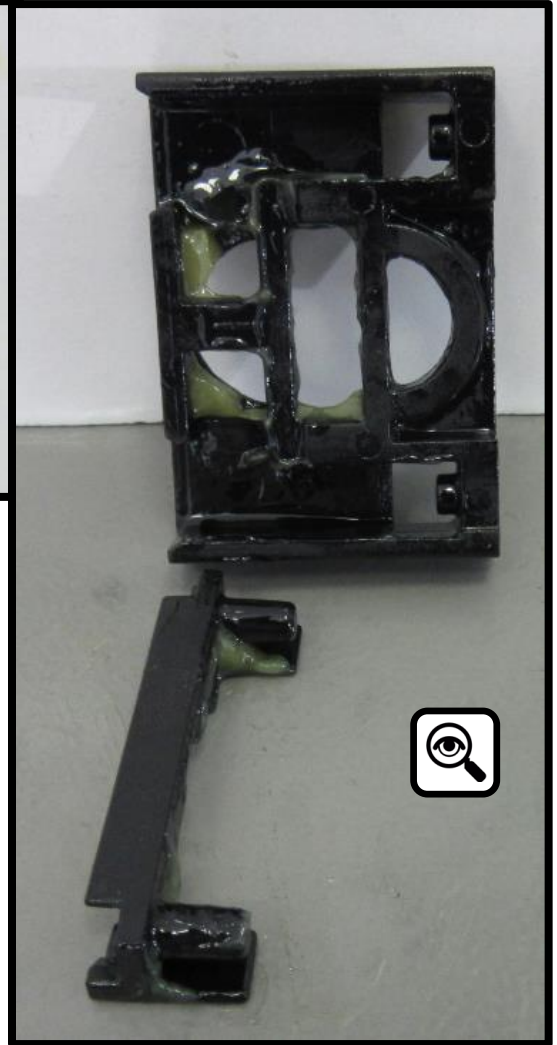
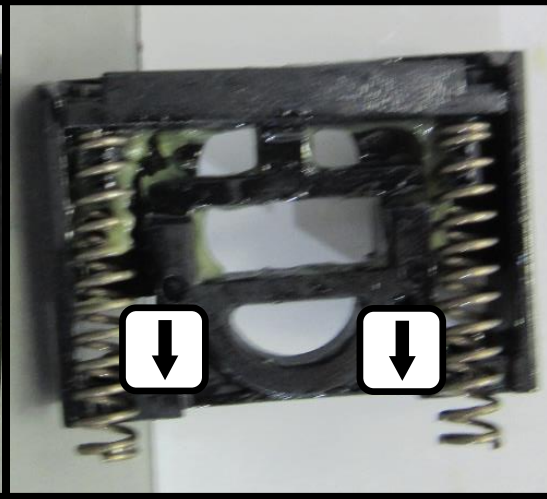
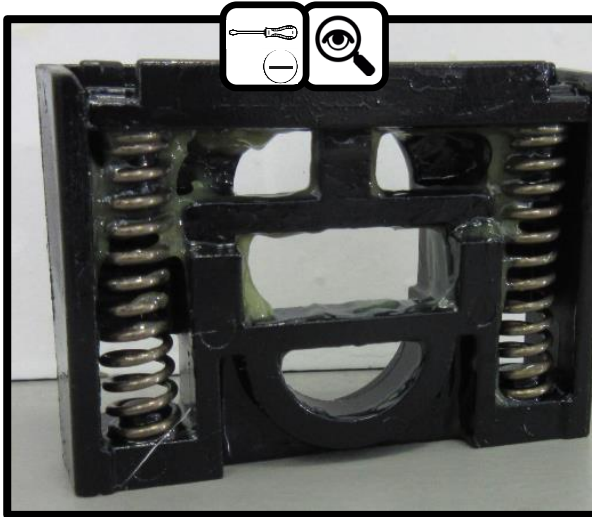














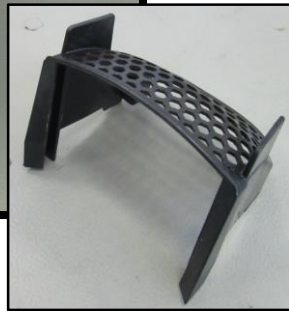
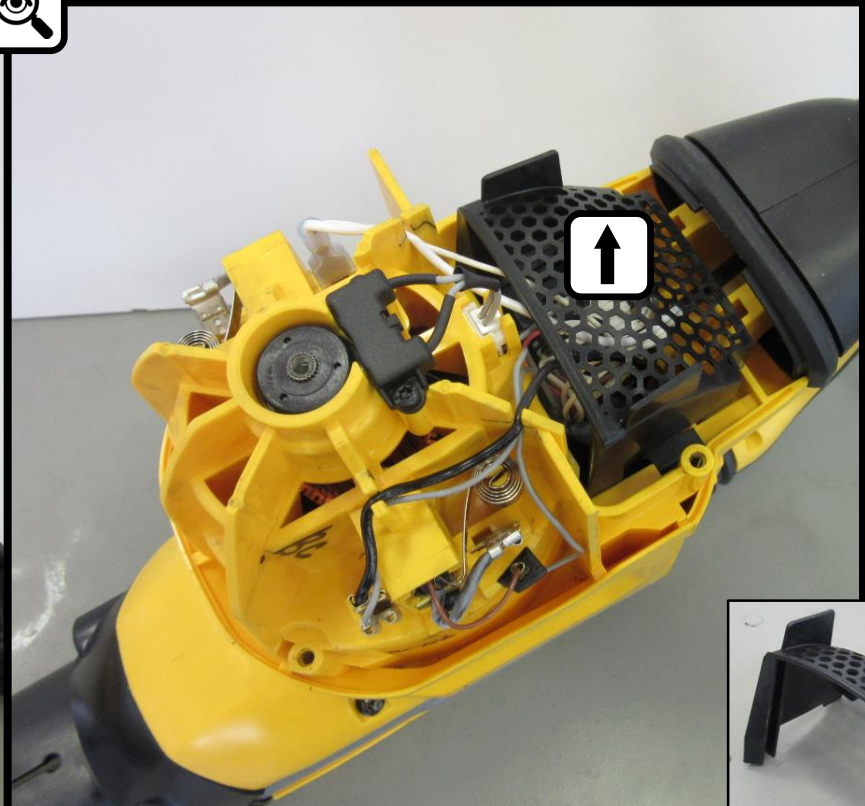
Disassembling Armature
DCH733/D25733/
D25872/D25773/D25892

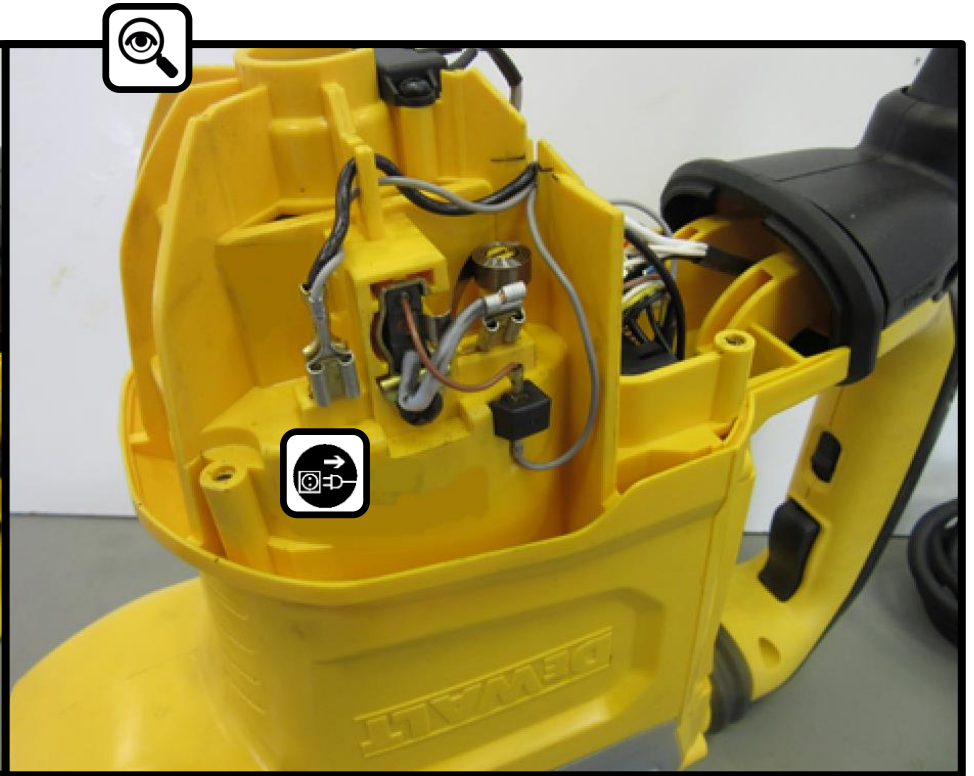
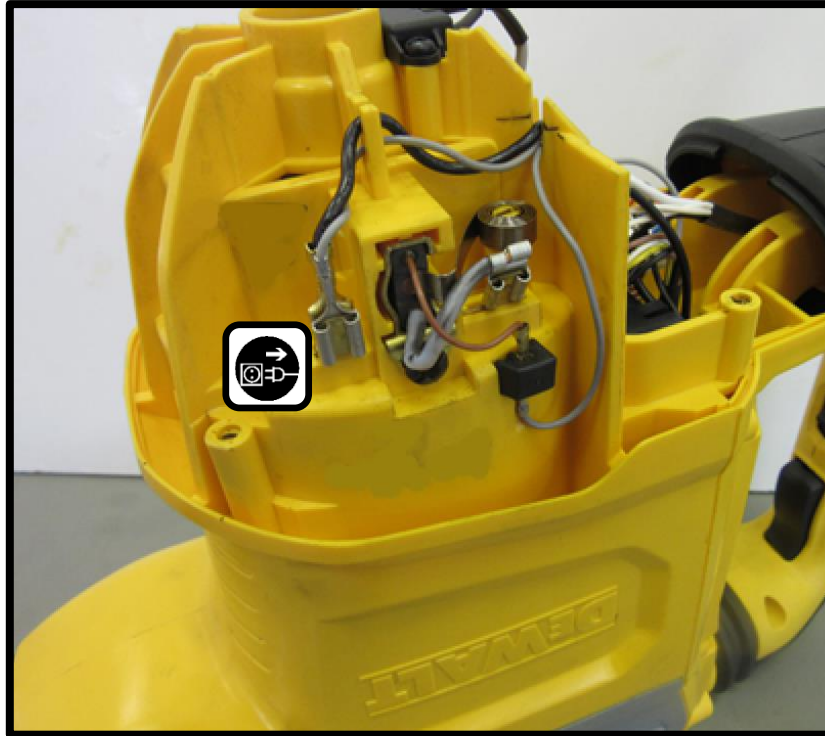
DATE
CODE

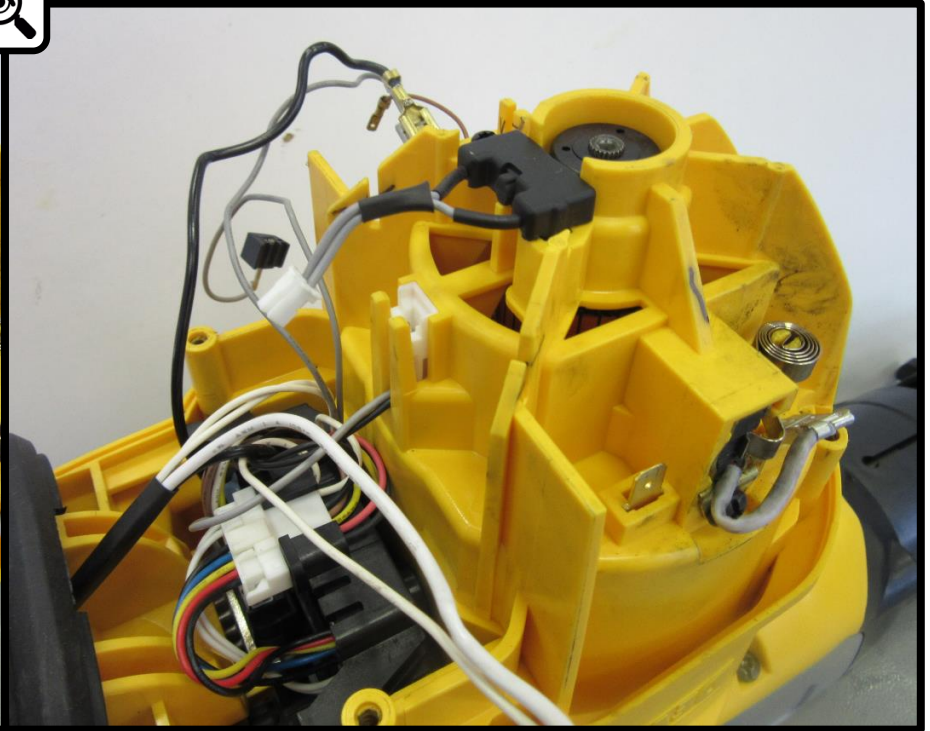
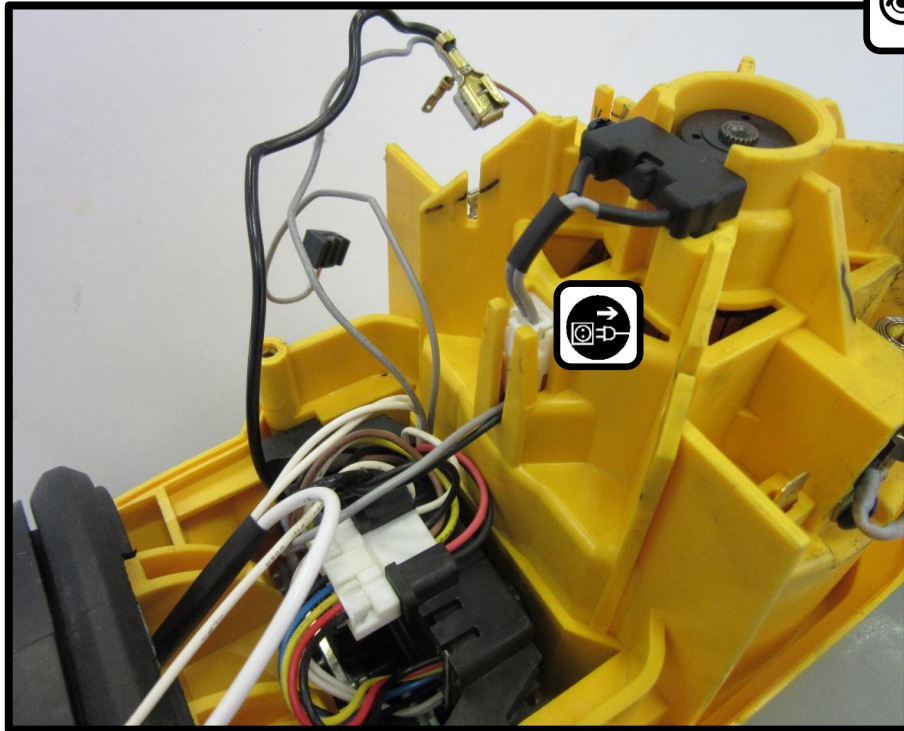


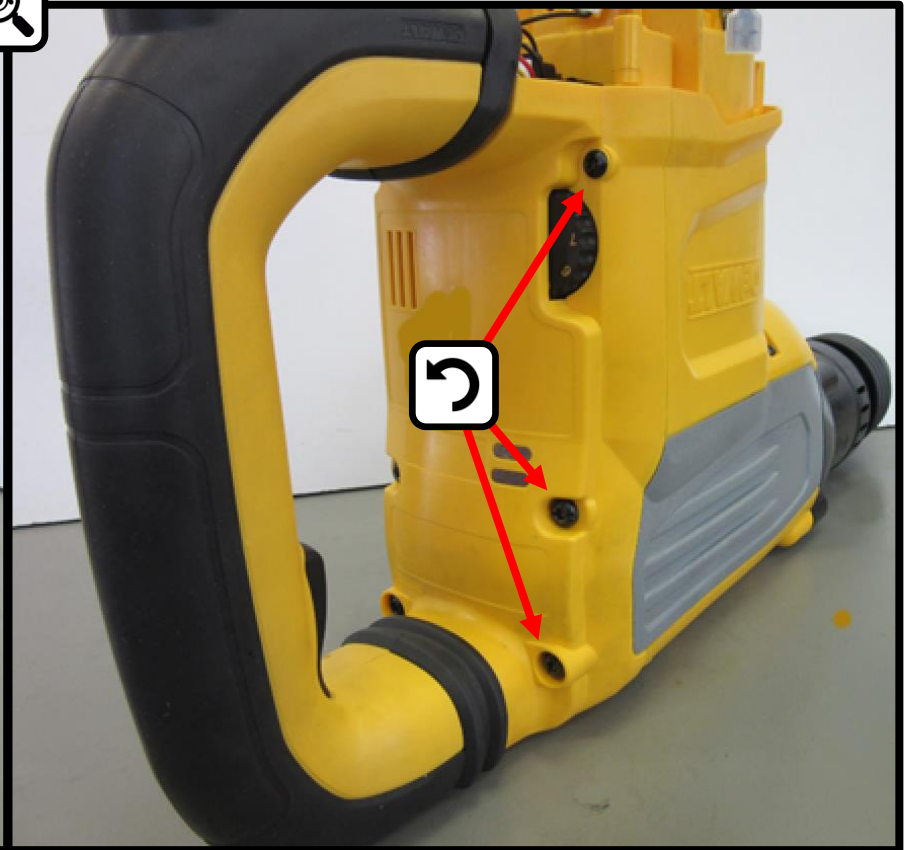
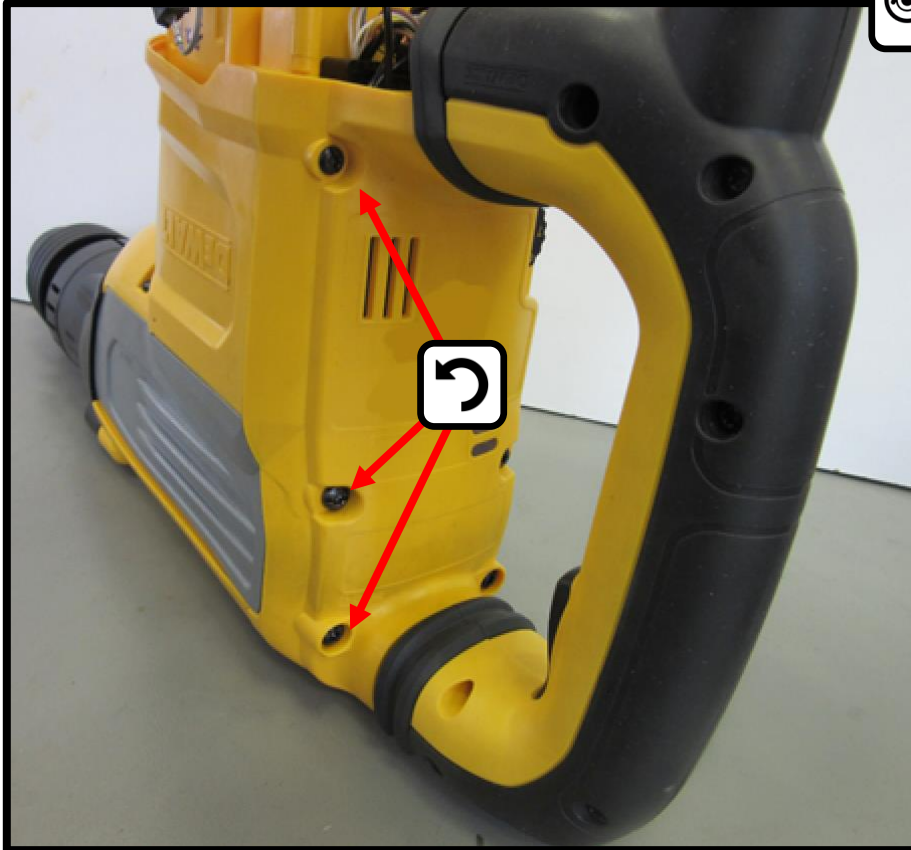
TEST

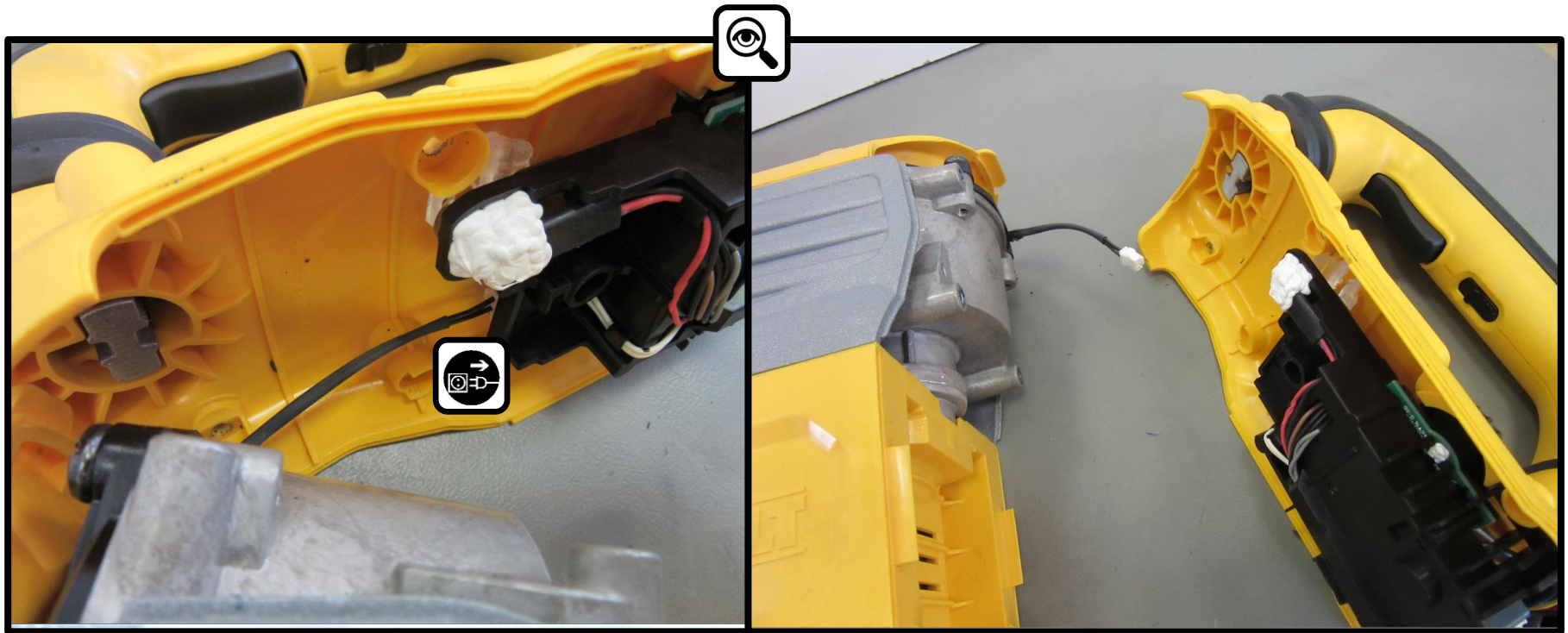


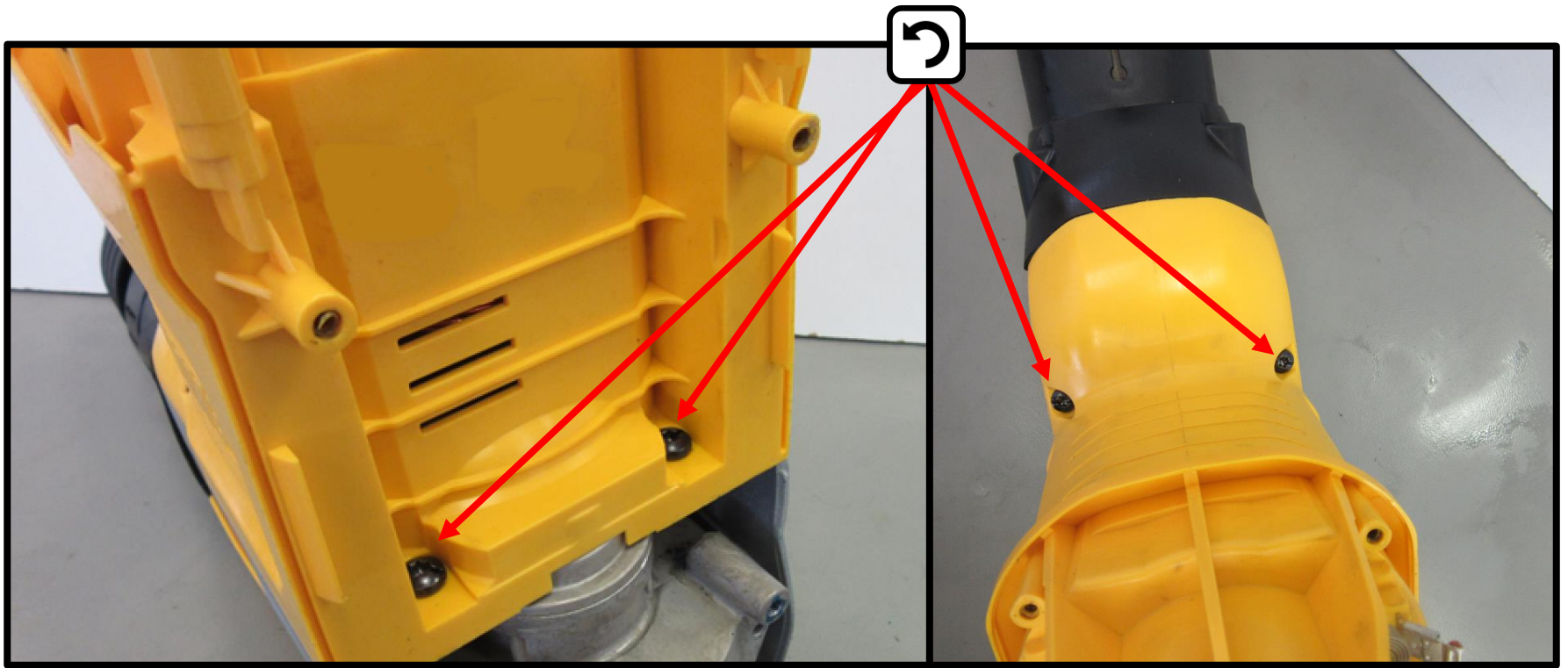


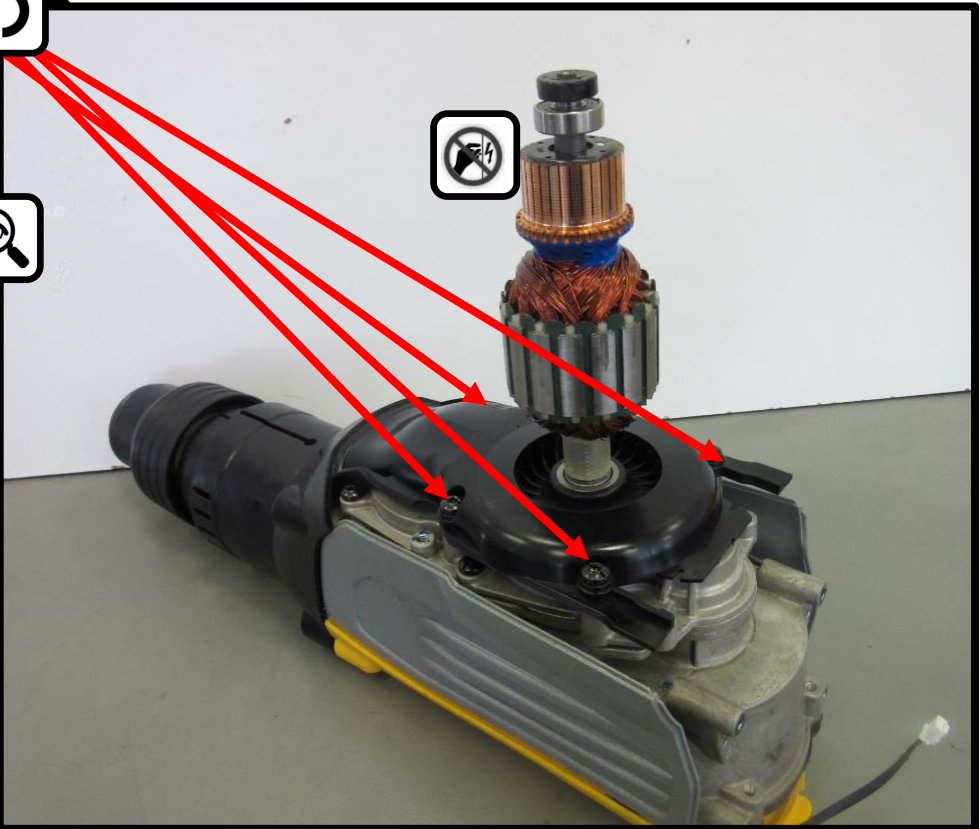
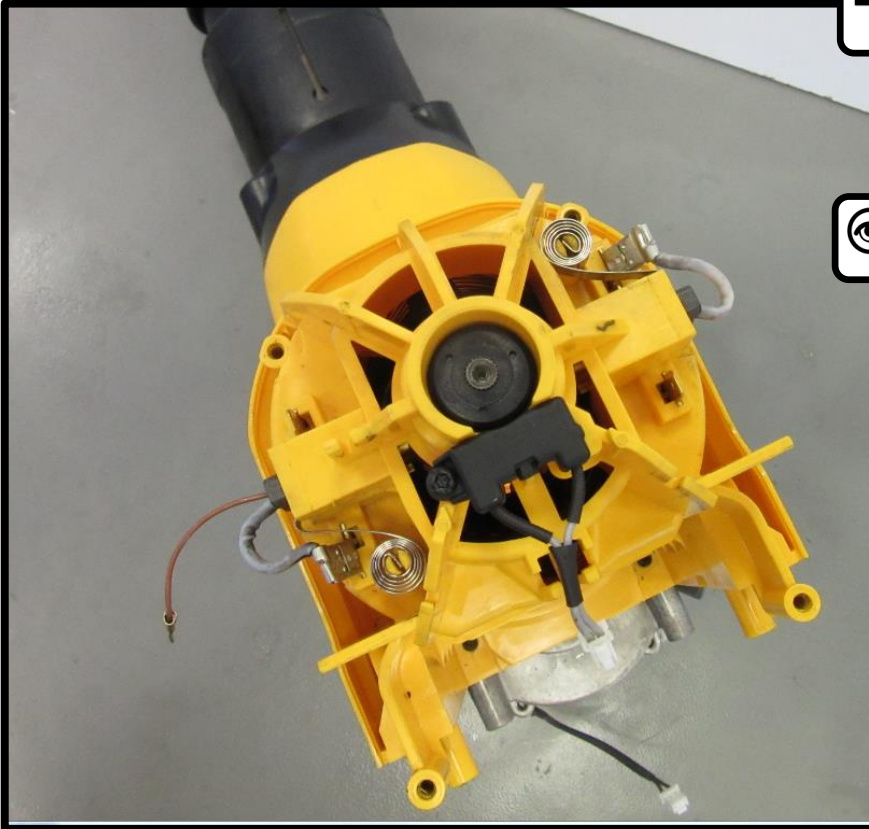


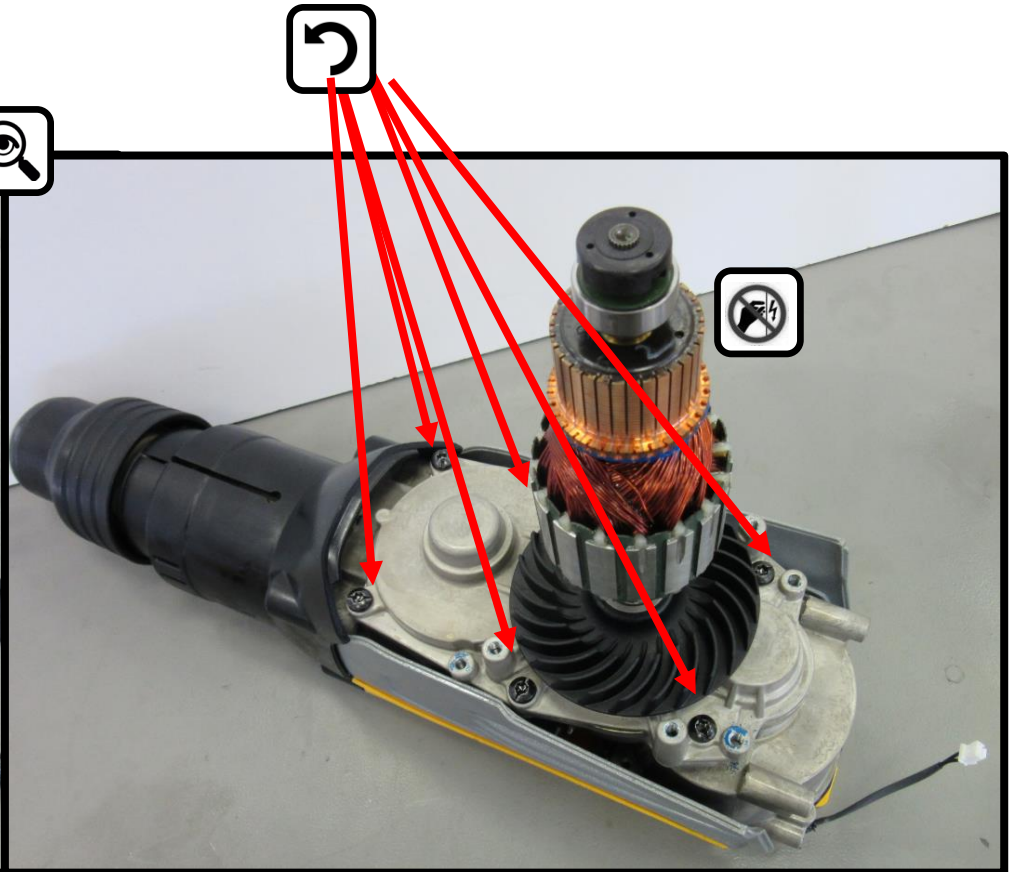
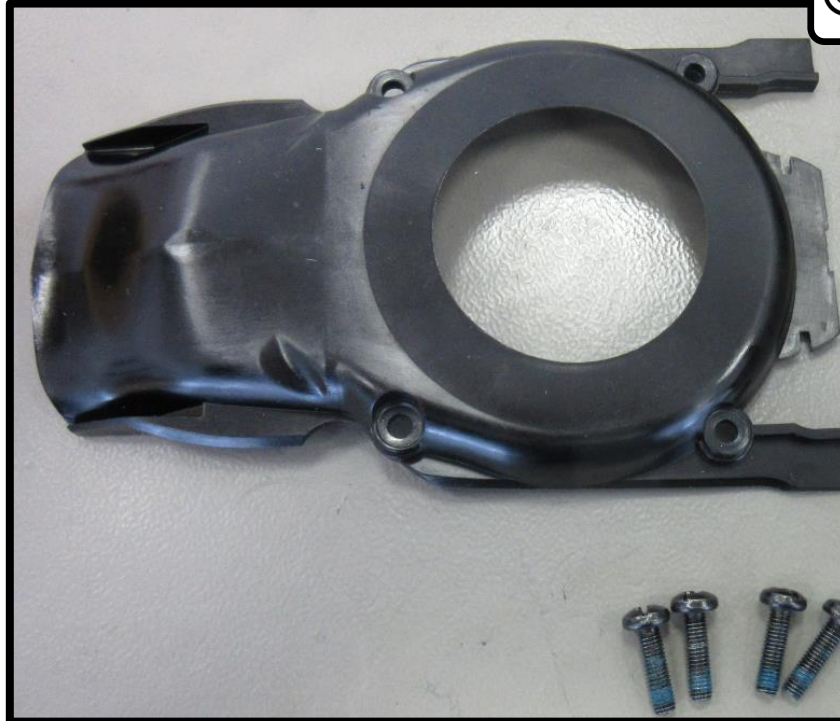


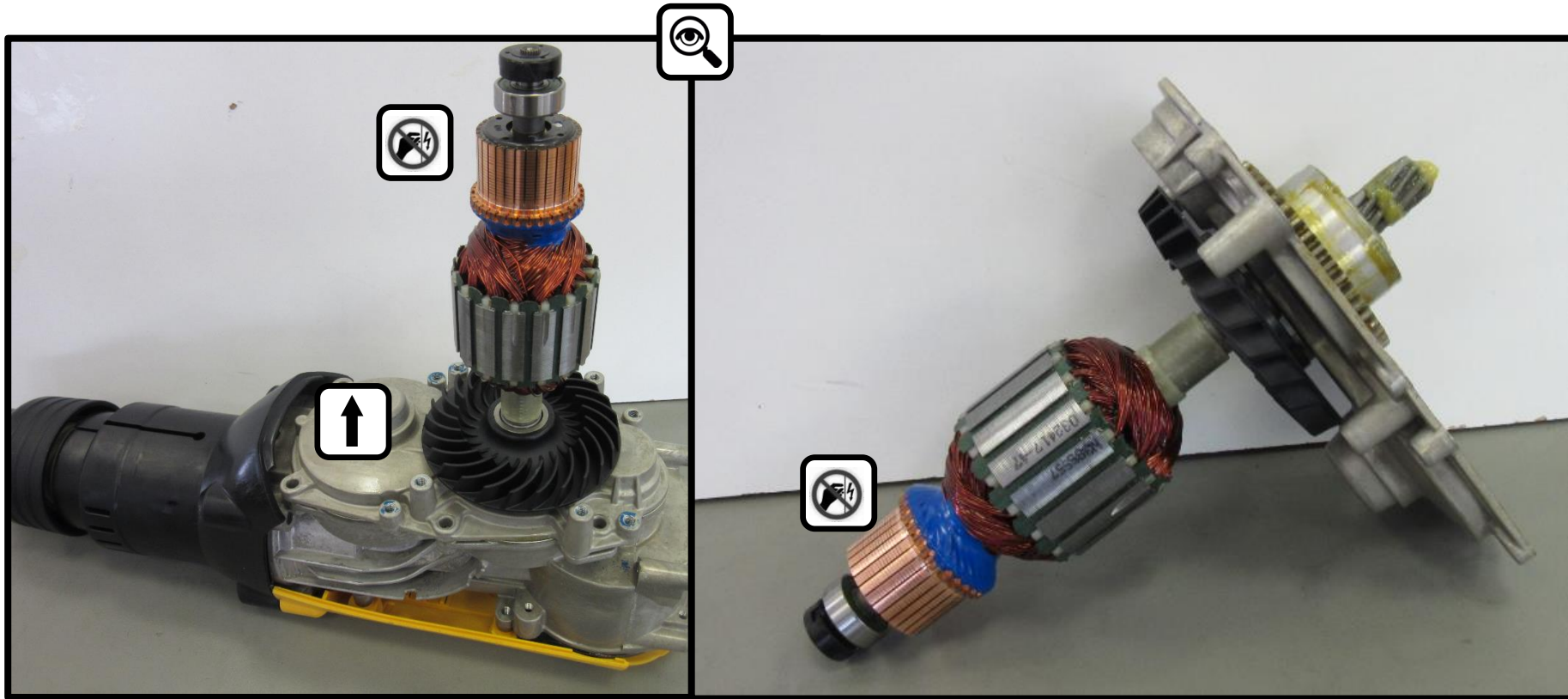


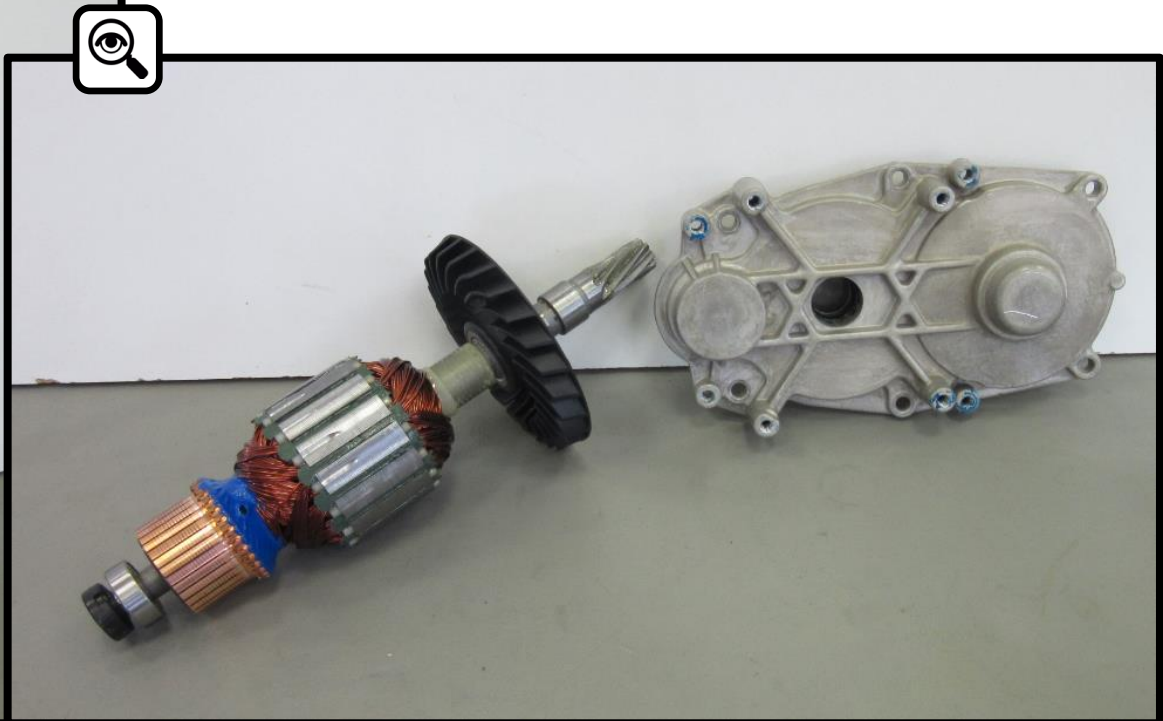
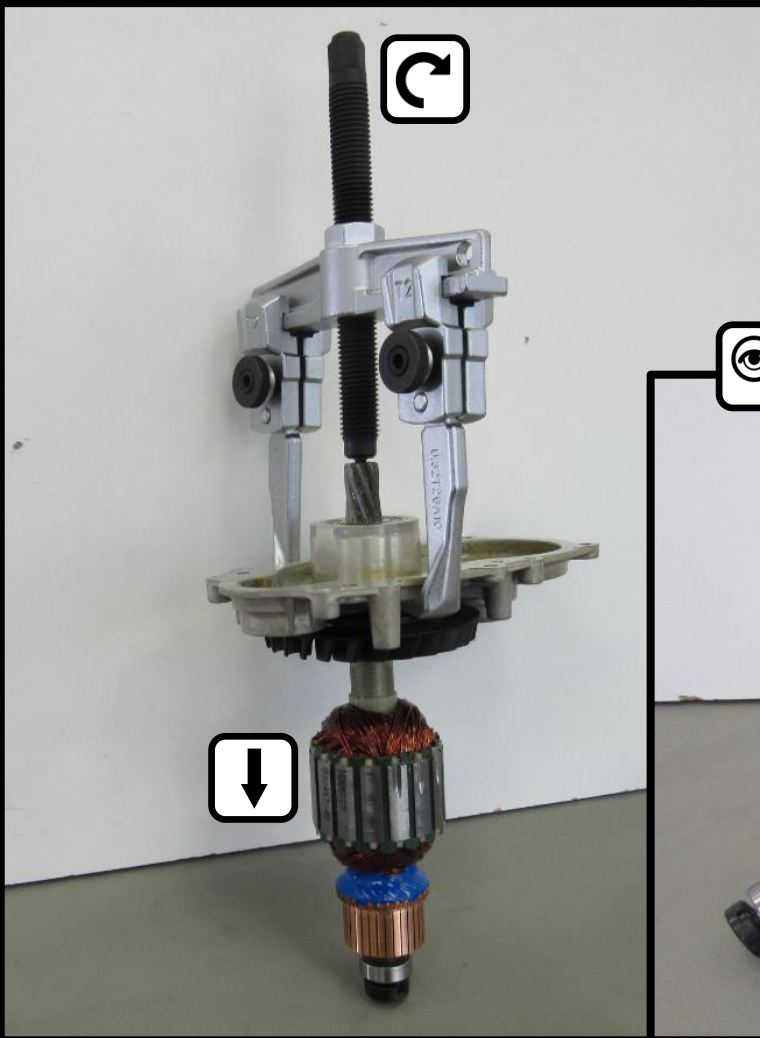






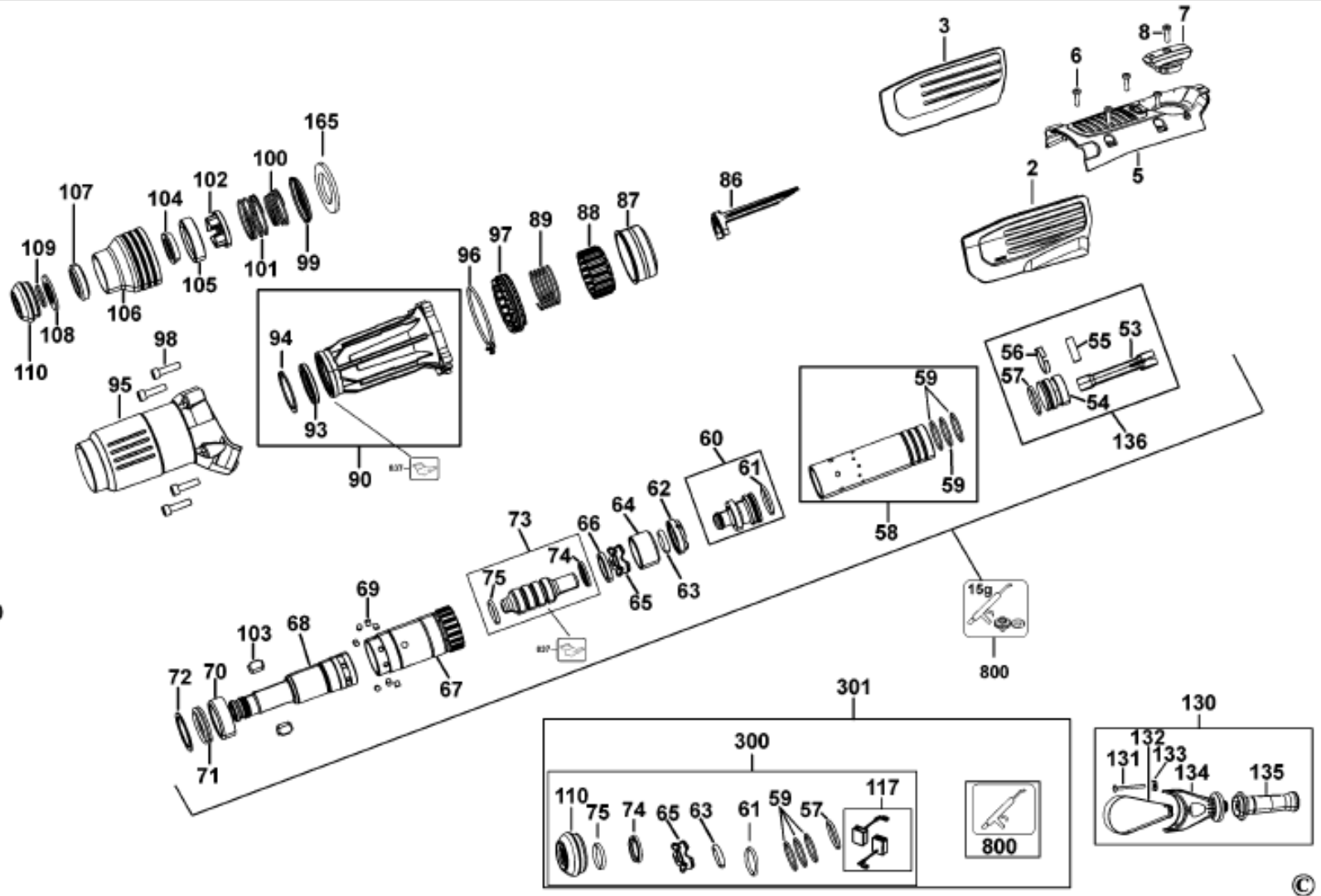




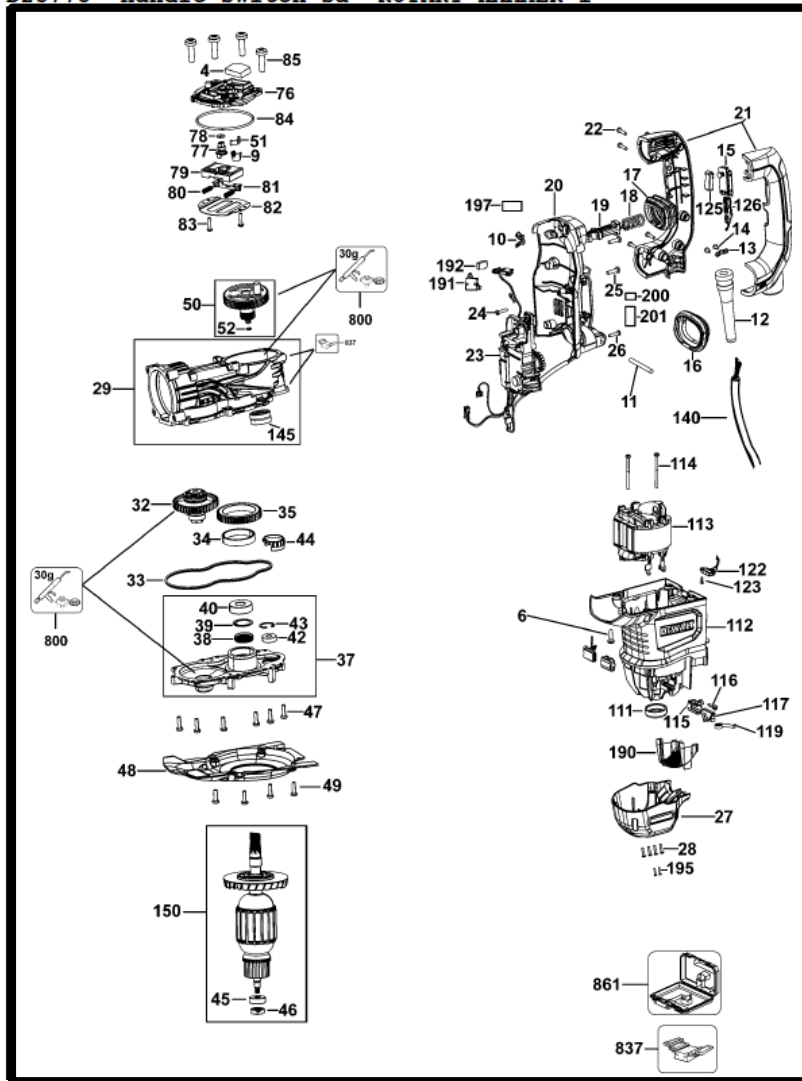




Disassembling Hammer Mechanism D25773/D25892



D25773 Handle switch sa ROTARY HAMMER 1



DATE
CODE



TEST



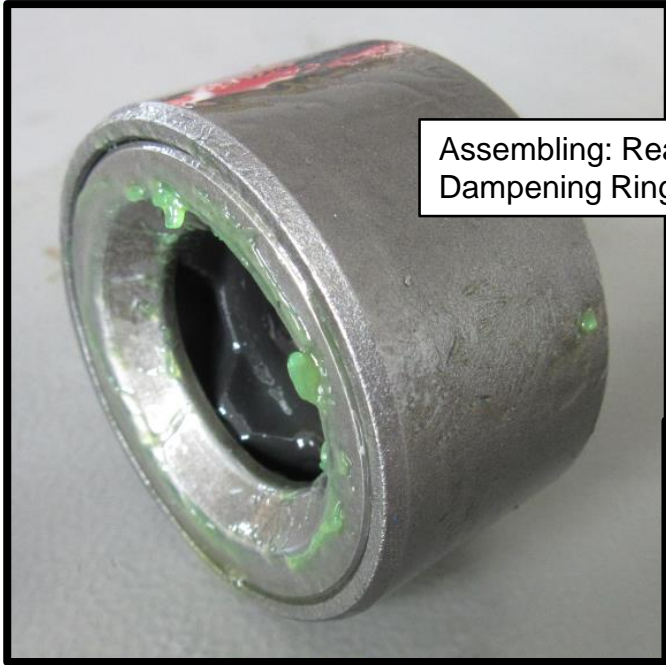
D25773



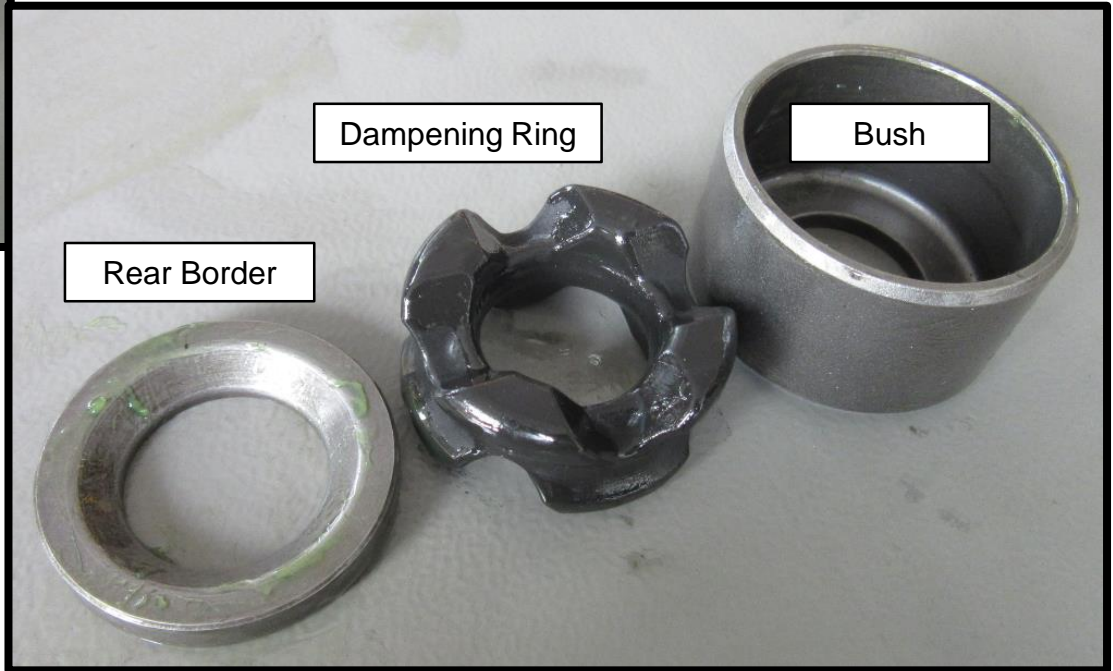
D25733



Beat Piece Guidance D25773



Assembling: Rear Border,
Dampening Ring, Bush.



Rear Border

Dampening Ring

Bush

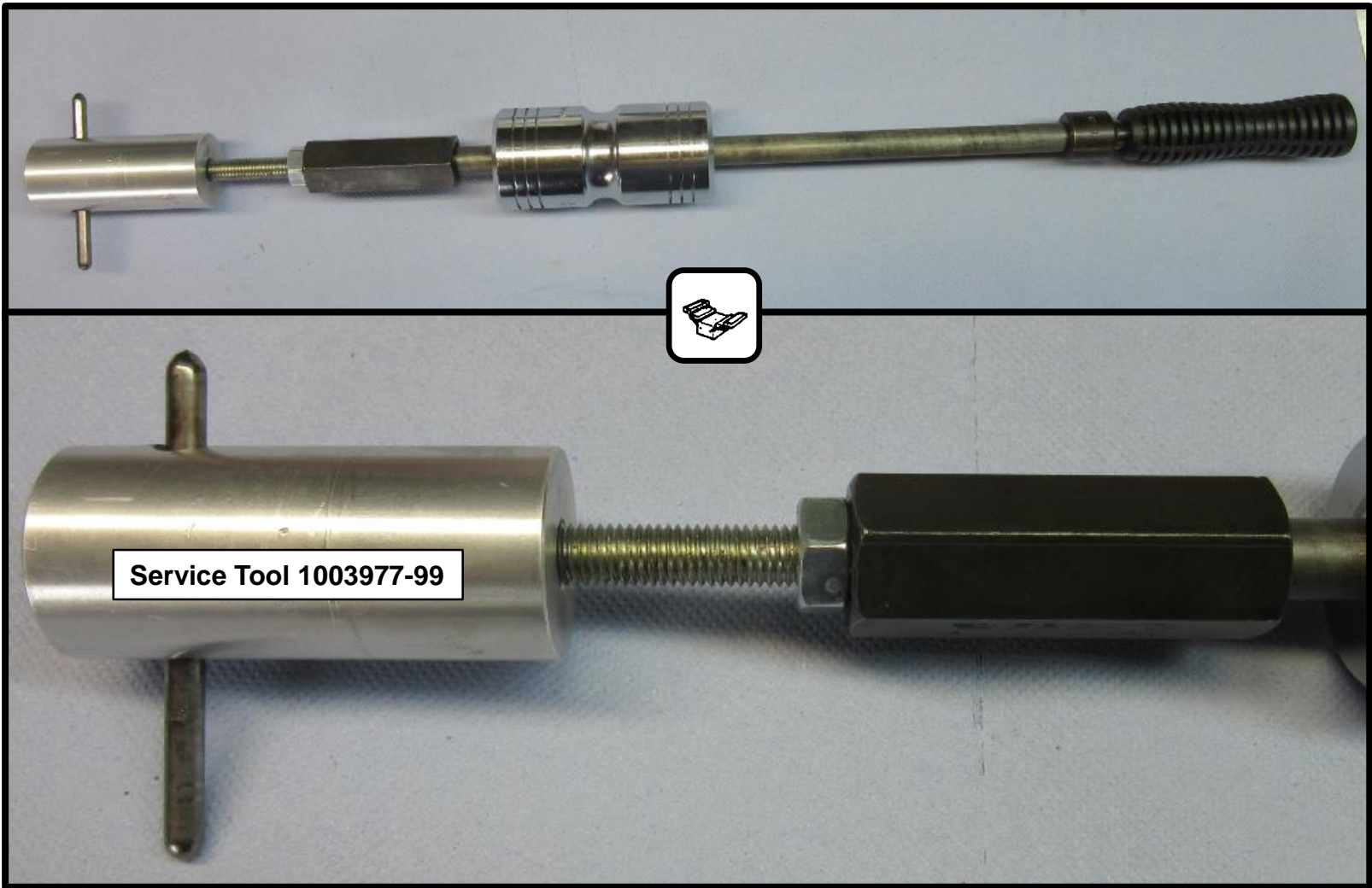
Catch Ring D25773



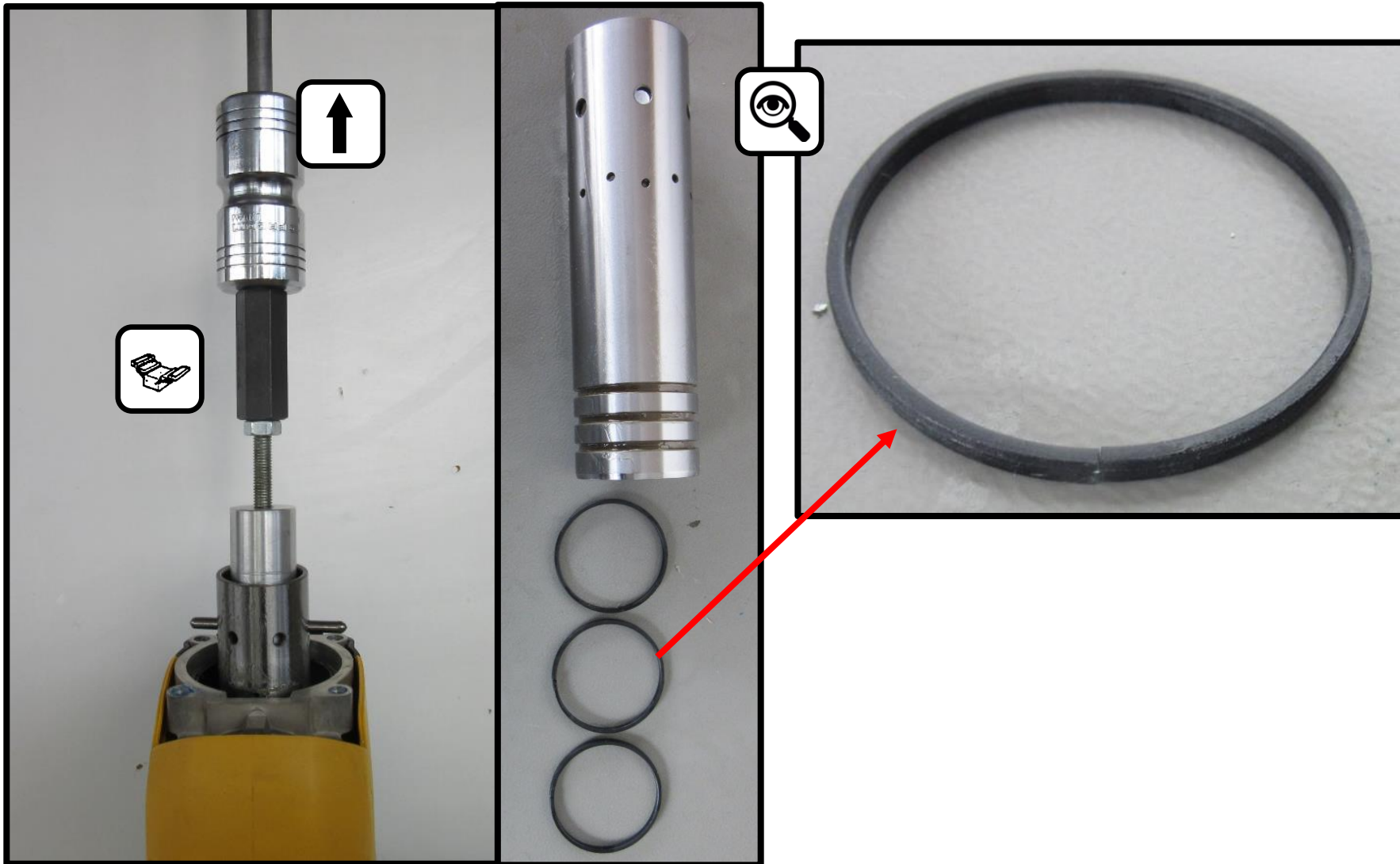
Support, Catch Ring



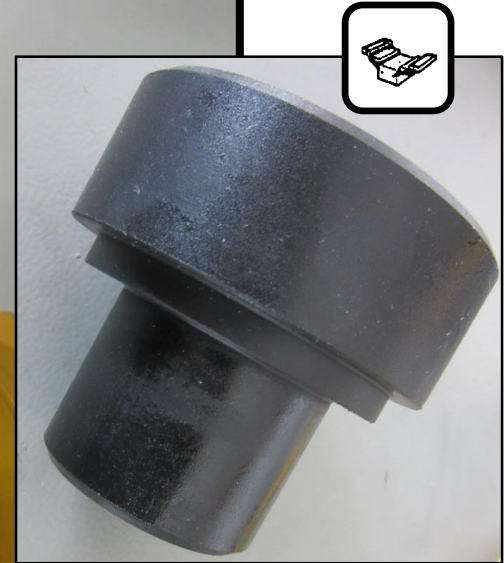
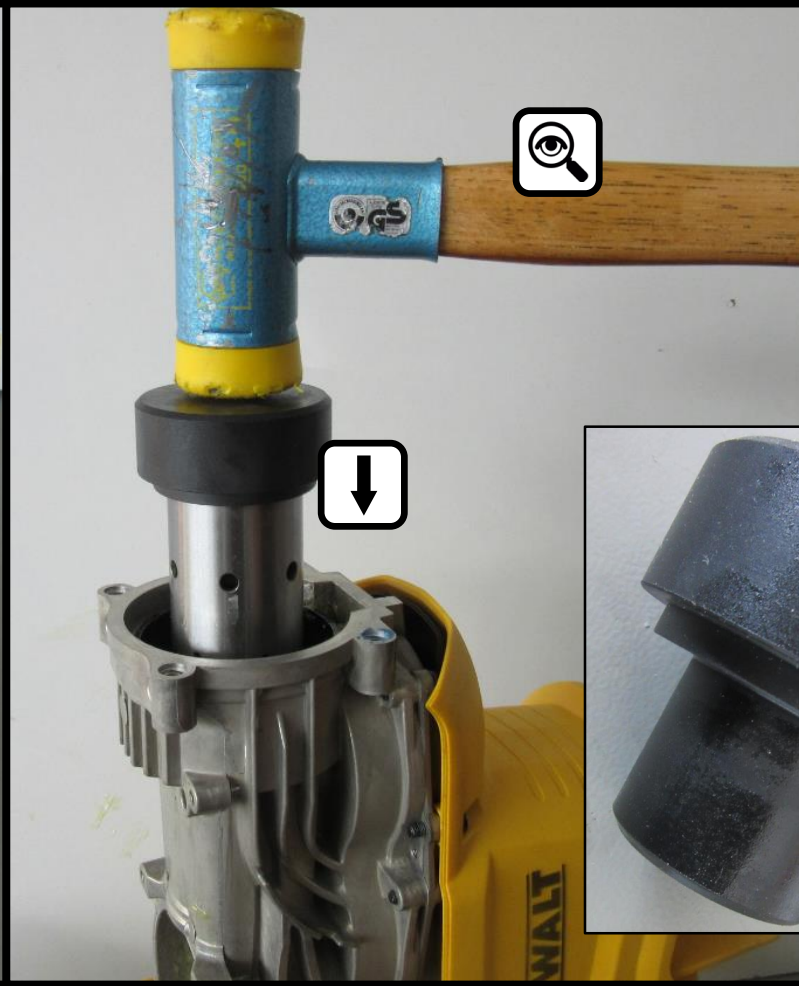
Service Tool Disassembling Cylinder



Disassembling Cylinder



Assembling Cylinder

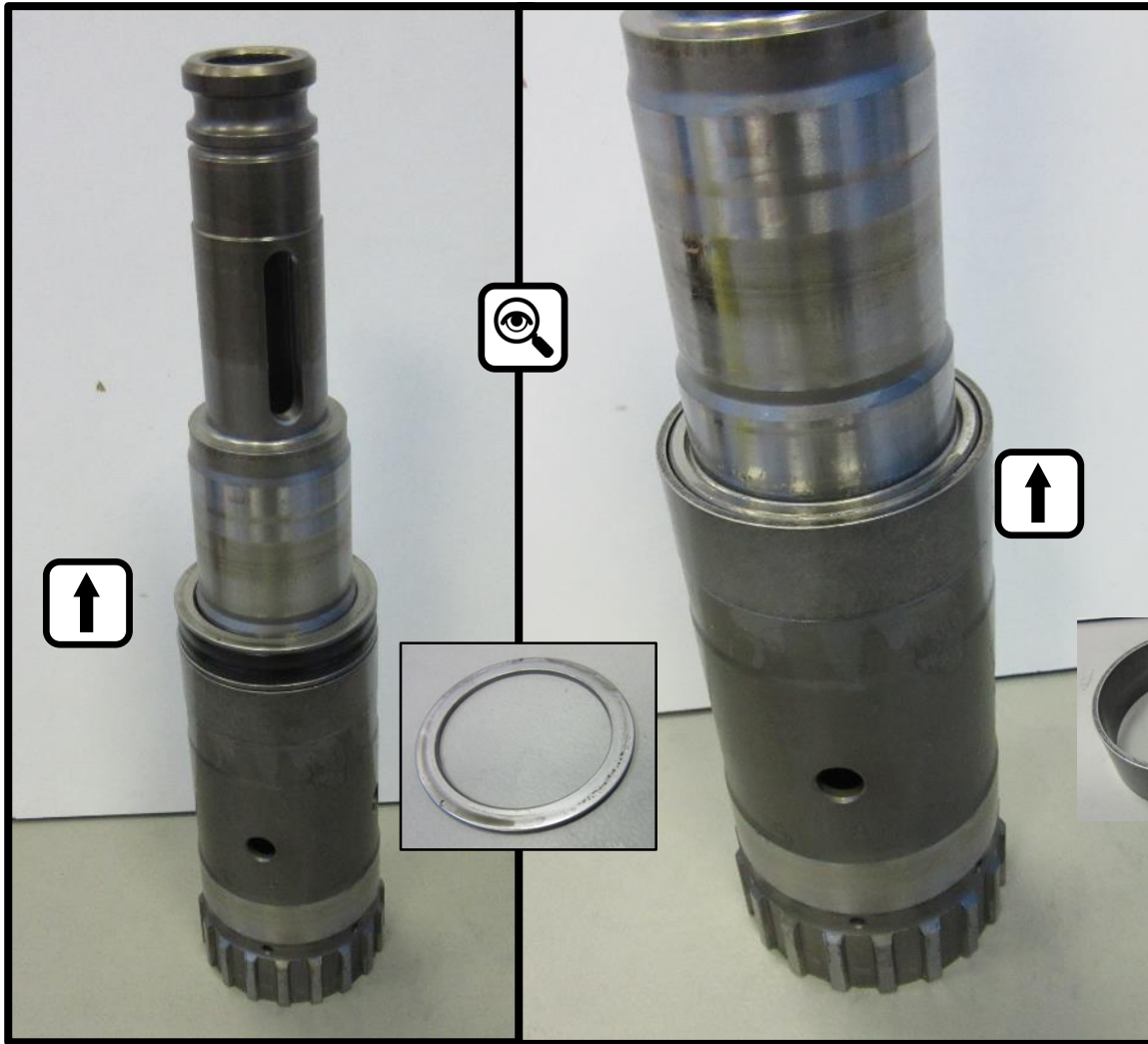


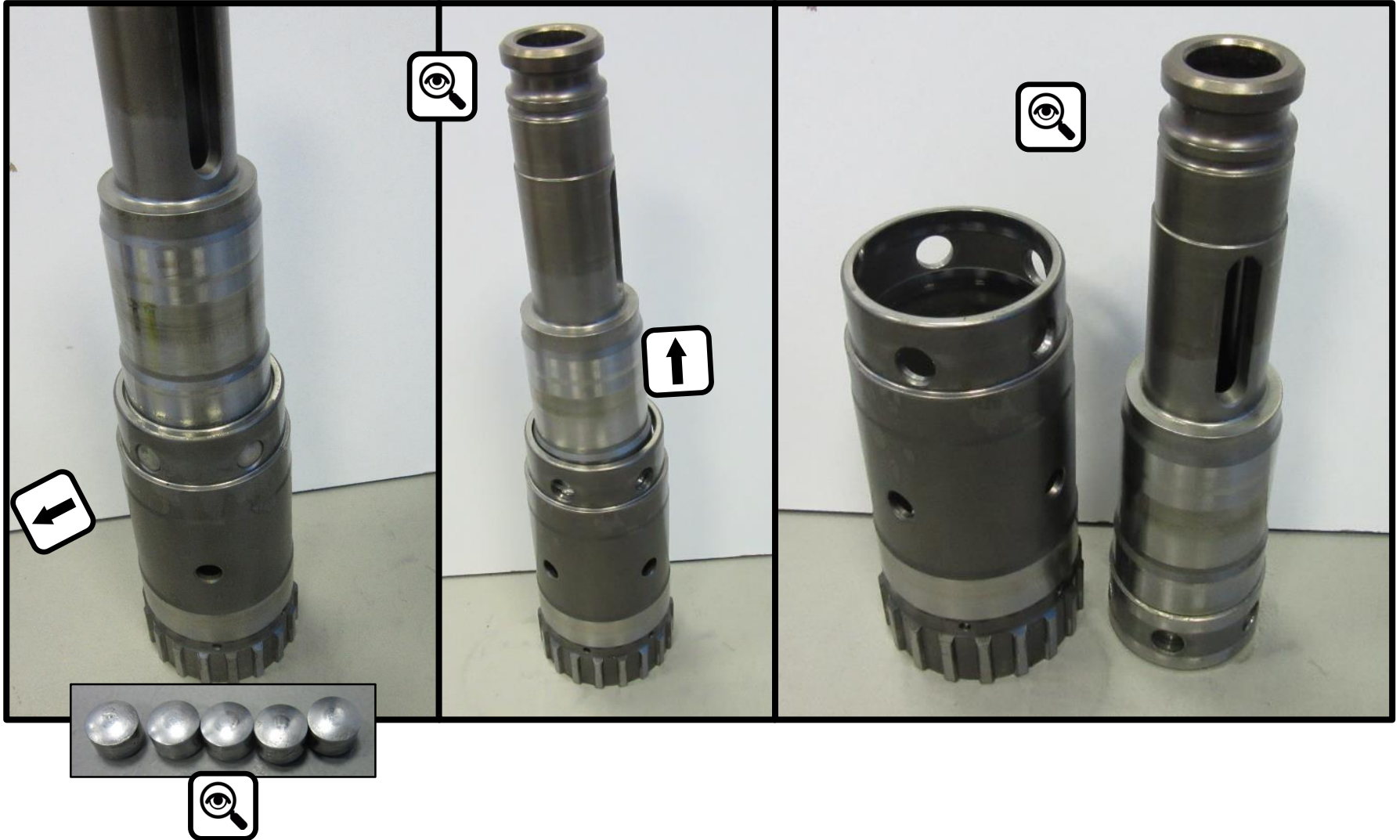


30x8 6mm Allen











Assembling Hints and Tricks

DCH733

How to Reset



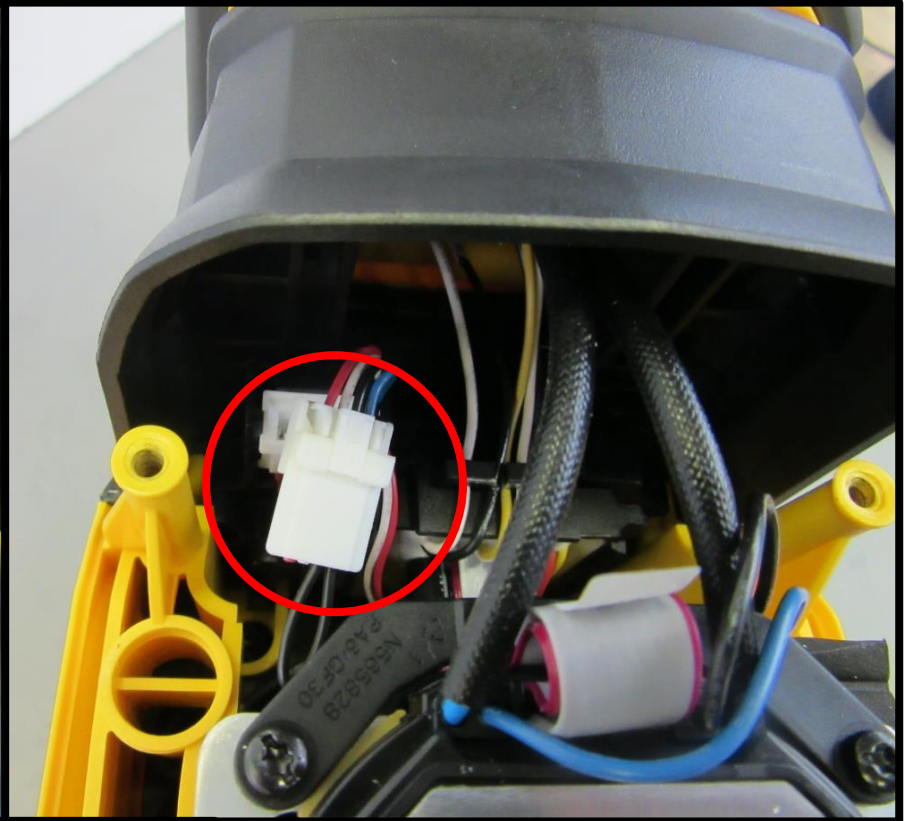
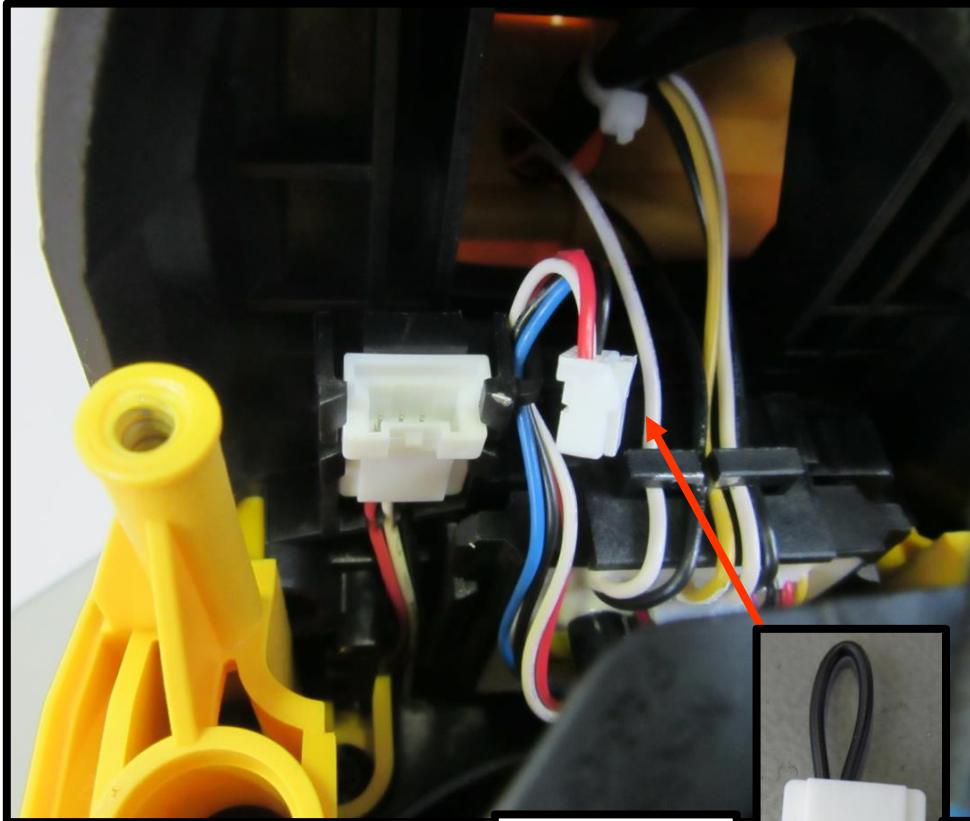


The LED of the DCH hammer starts to glow after a working time of 150h
After 160h the LED starts to flash
After 160h the unit does not stop and does still run, the LED stays with flashing up to the electronic gets reset



Reset after 150h



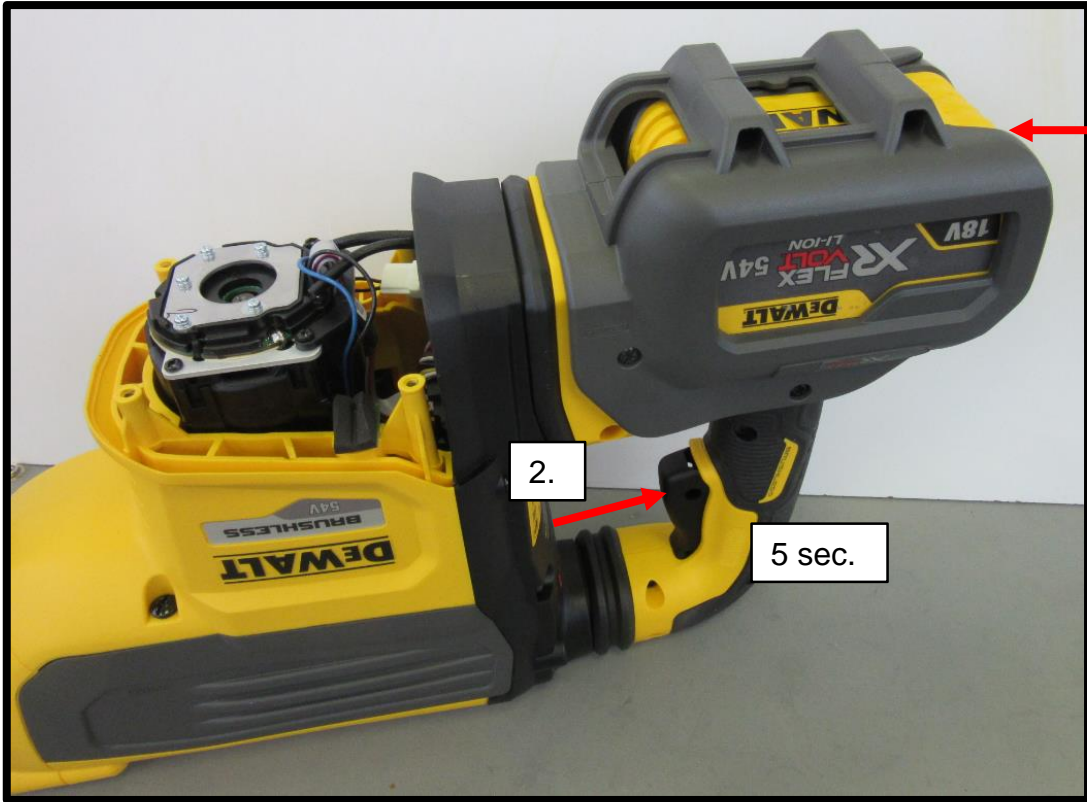


Connect



N544162

Reset Service Tool

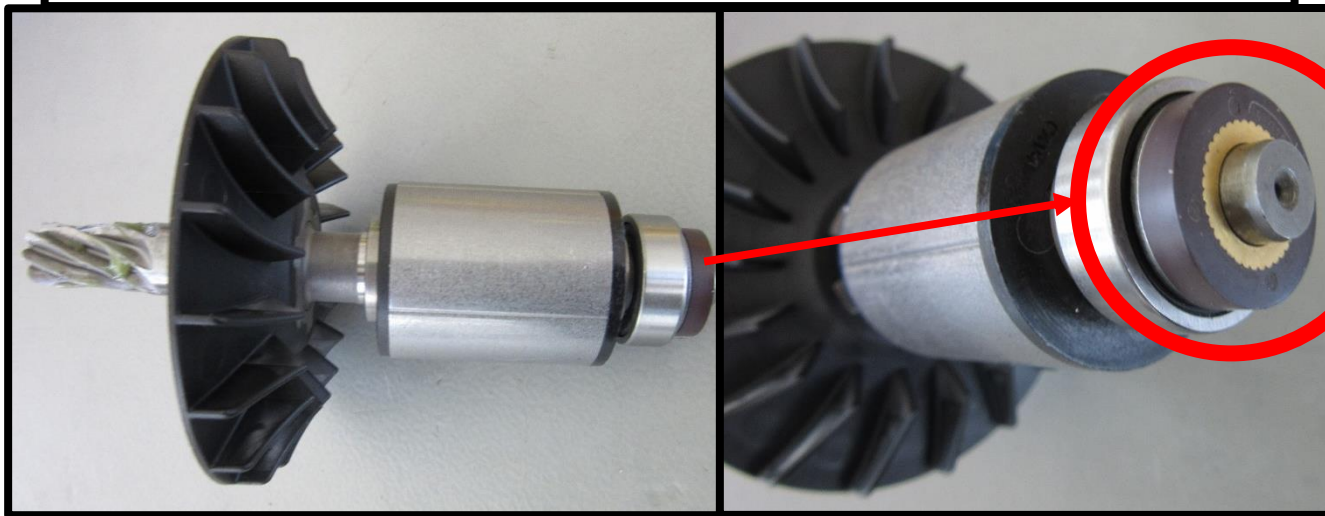


1.



Do not exchange the module before the magnet, loaded on the armature ring has been checked

If the unit comes into the service and it doesn't work at all, or particularly it spins a quarter only, the magnet ring must be checked regarding polarity.



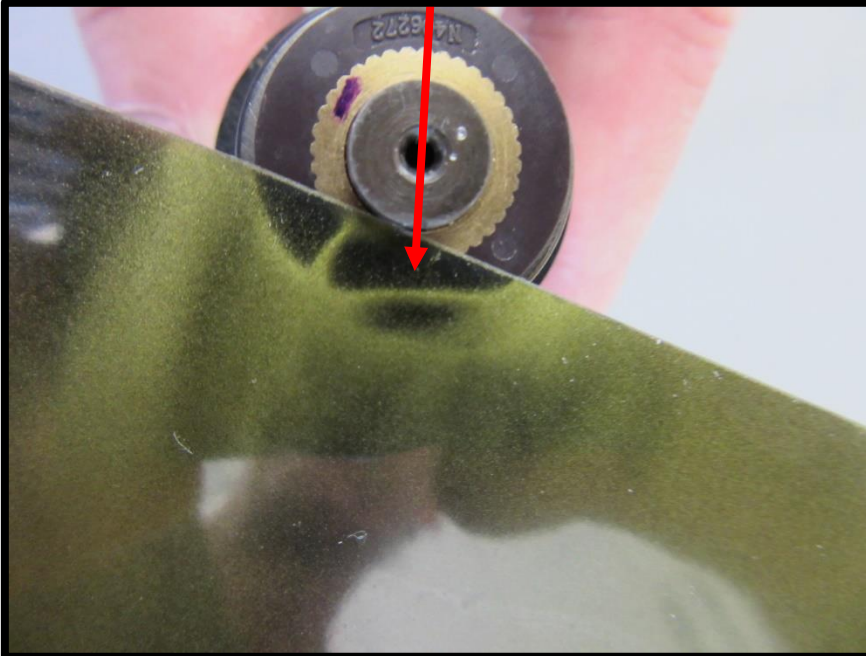
Detector foil makes magnetic fields visible



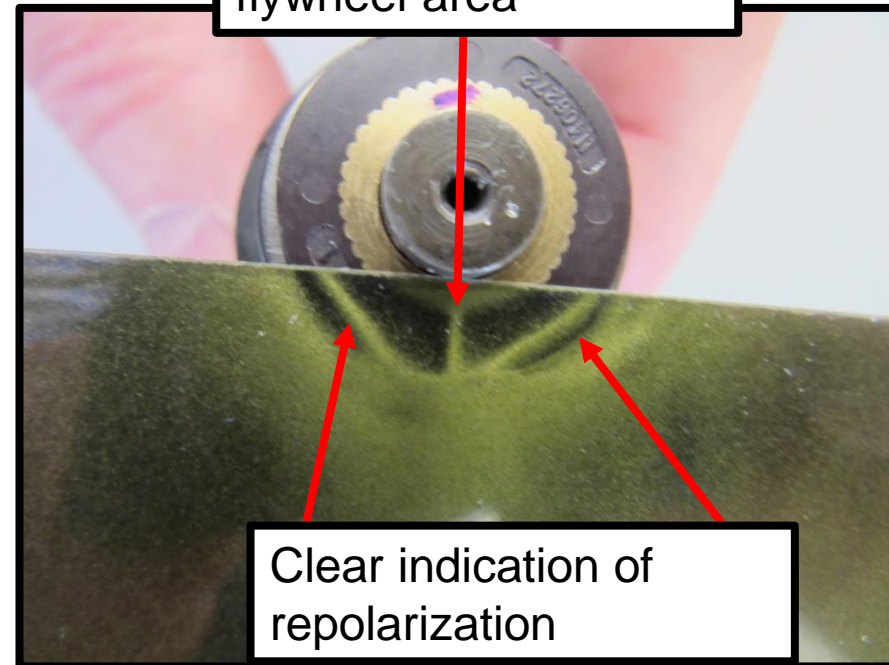
Use a detector foil and check the four single areas at the flywheel between the four borders (red lines). If the picture shows a very clear border as shown below, the flywheel seems to be ok. All four invisible boundaries must be checked.

Damaged Flywheel

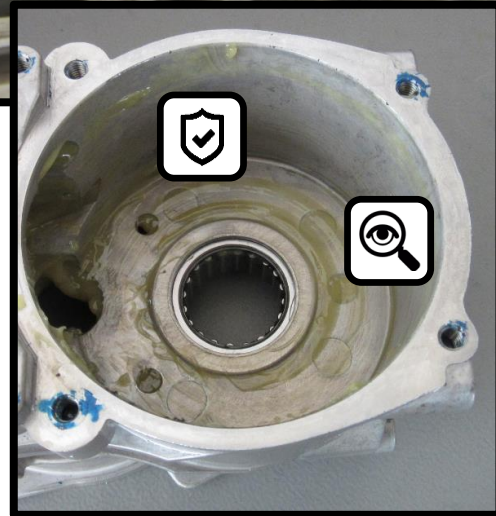
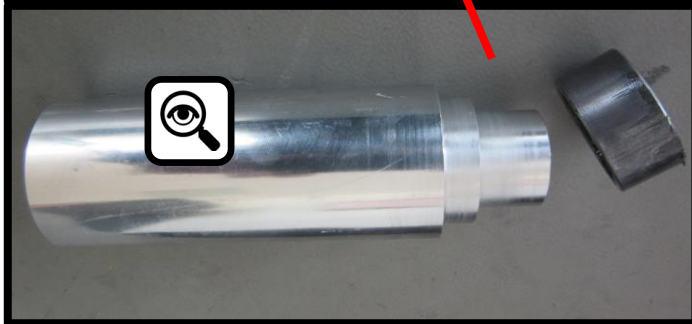
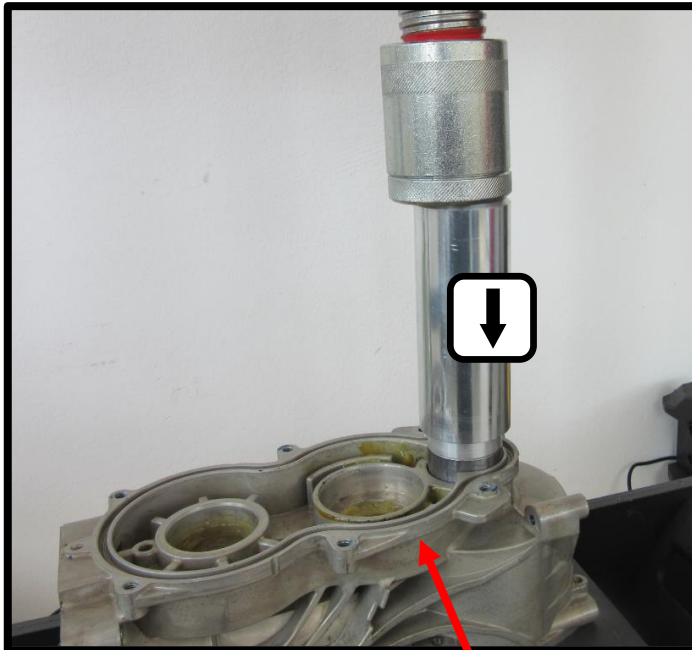
If there is a line (in addition) between the boundaries as shown below, a repolarization has taken place, with the consequences, the armature has damaged and must be replaced. All four areas of the flywheel must be checked.



Boundary of the flywheel area



Clear indication of repolarization

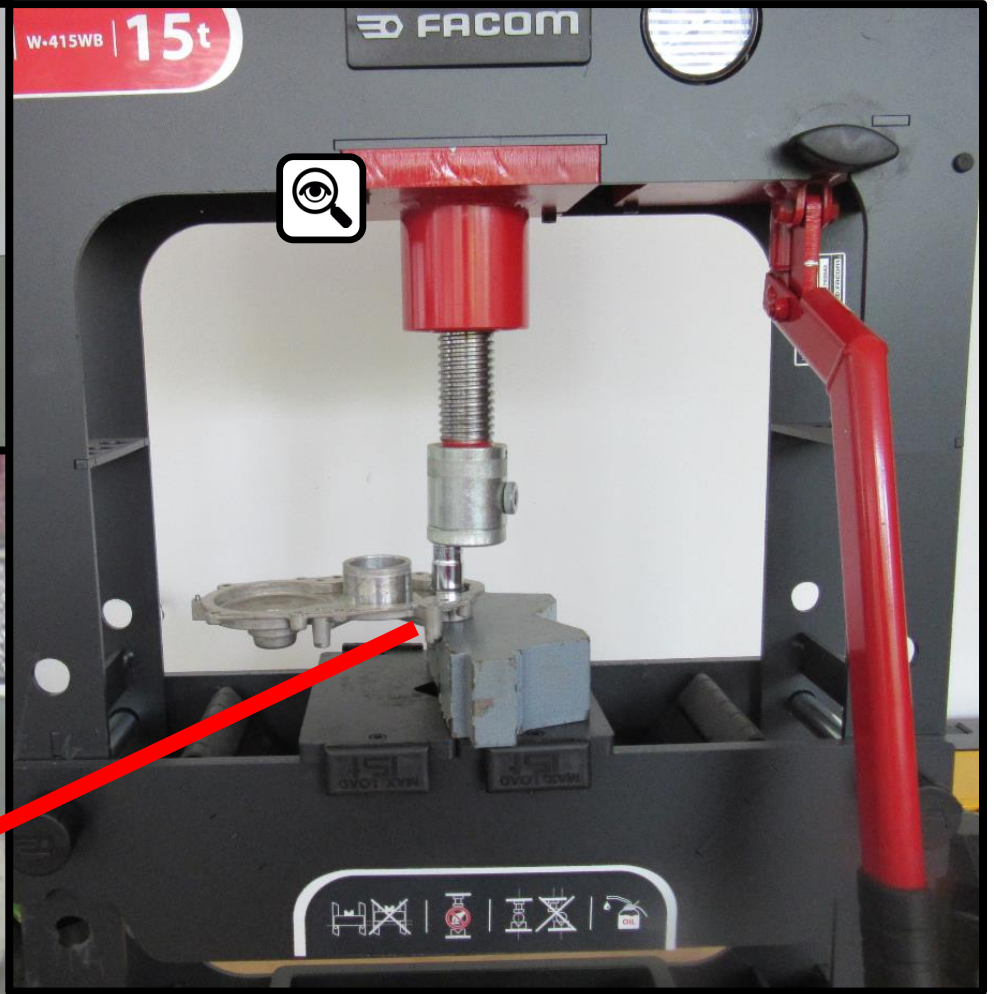
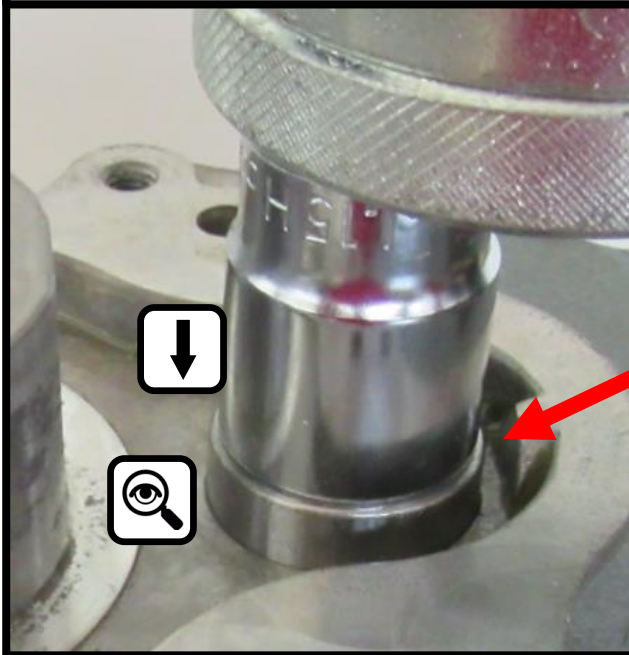


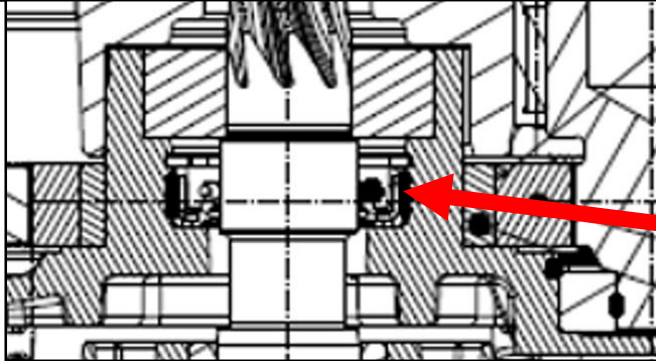
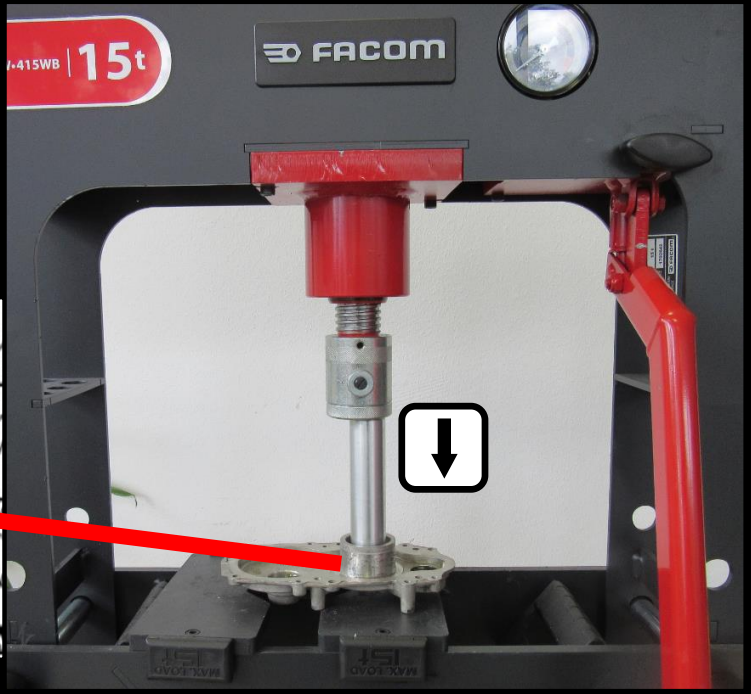
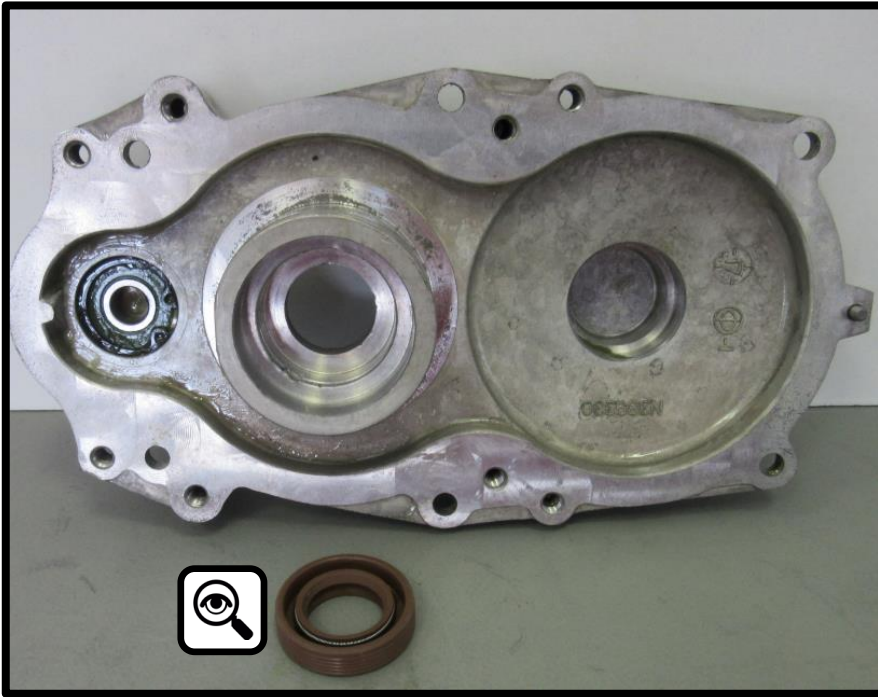


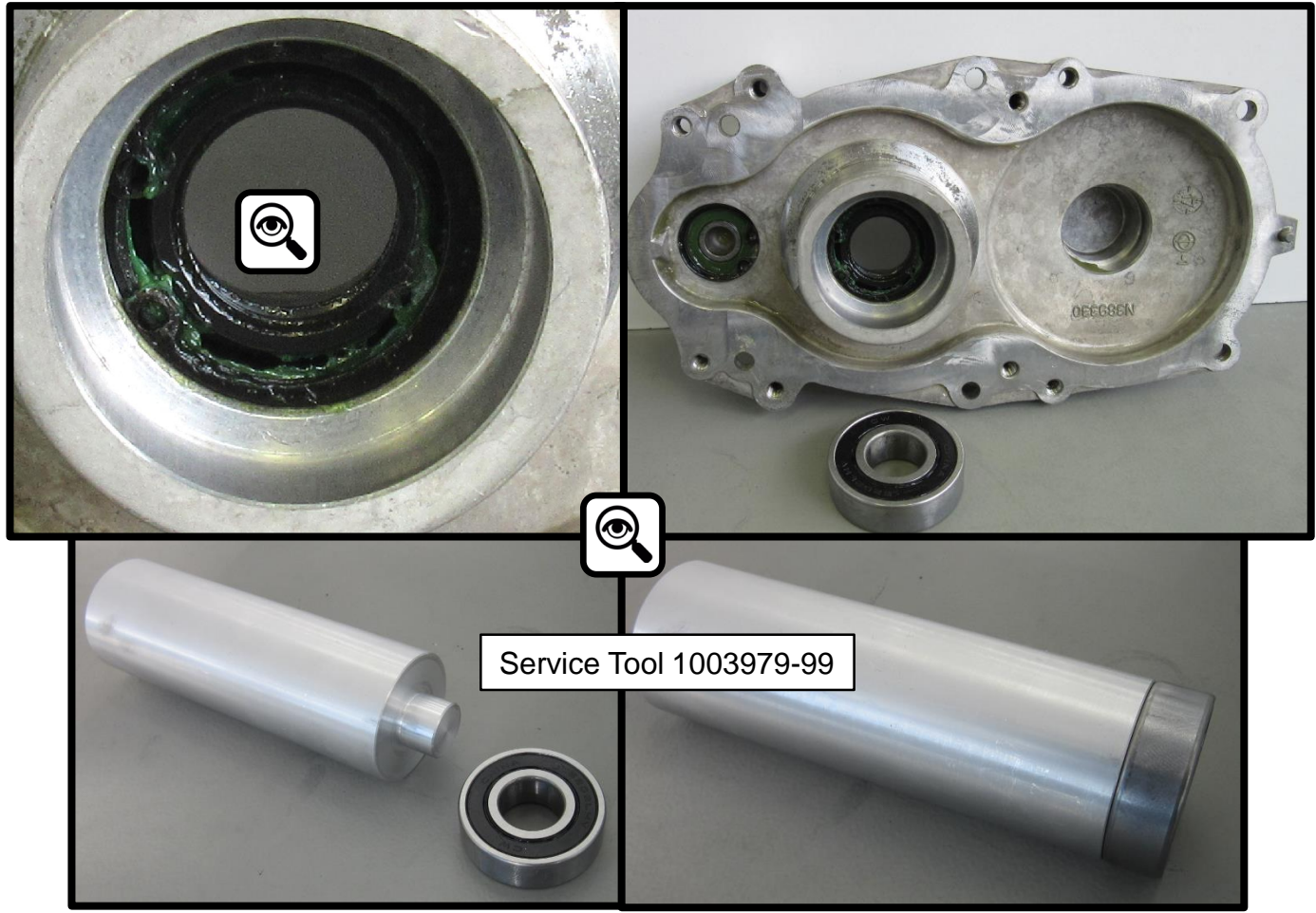
Assembling Hints and Tricks

DCH733/D25733/

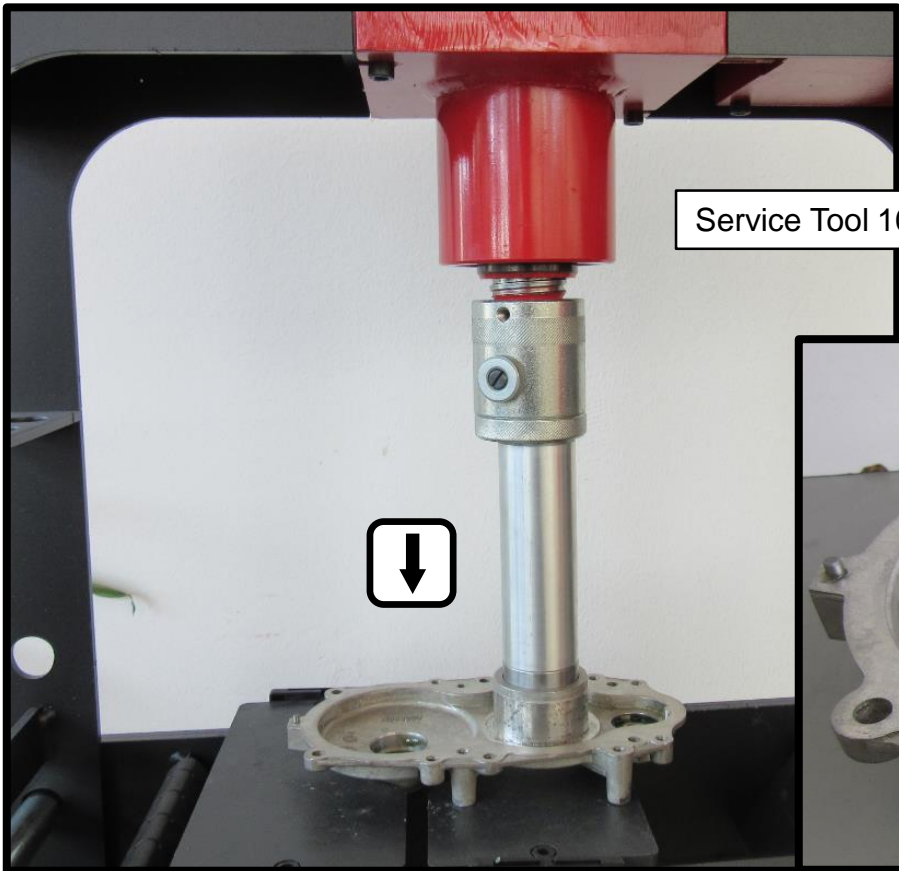
D25872/D25773/D25892



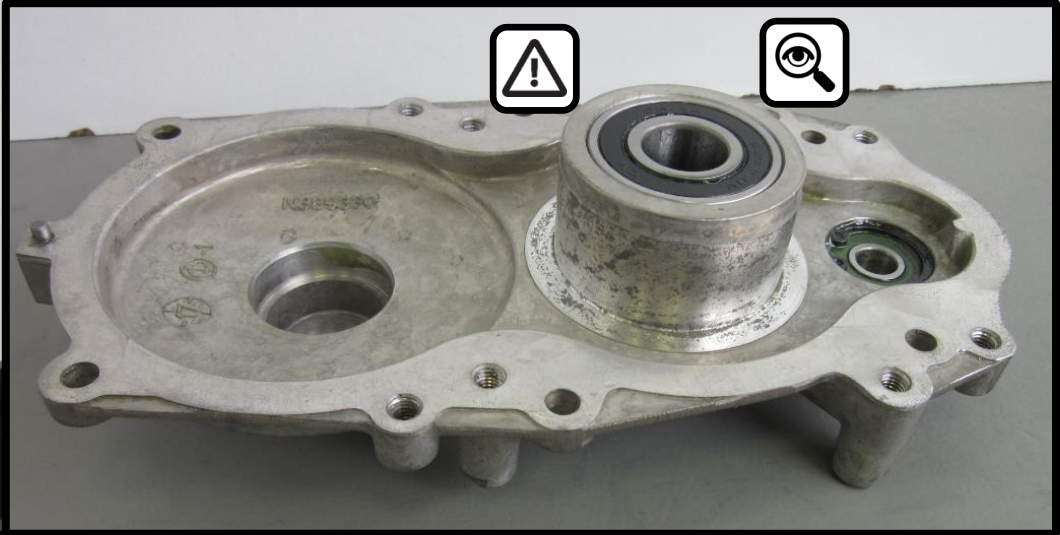




Service Tool 1003979-99



Service Tool 1003979-99

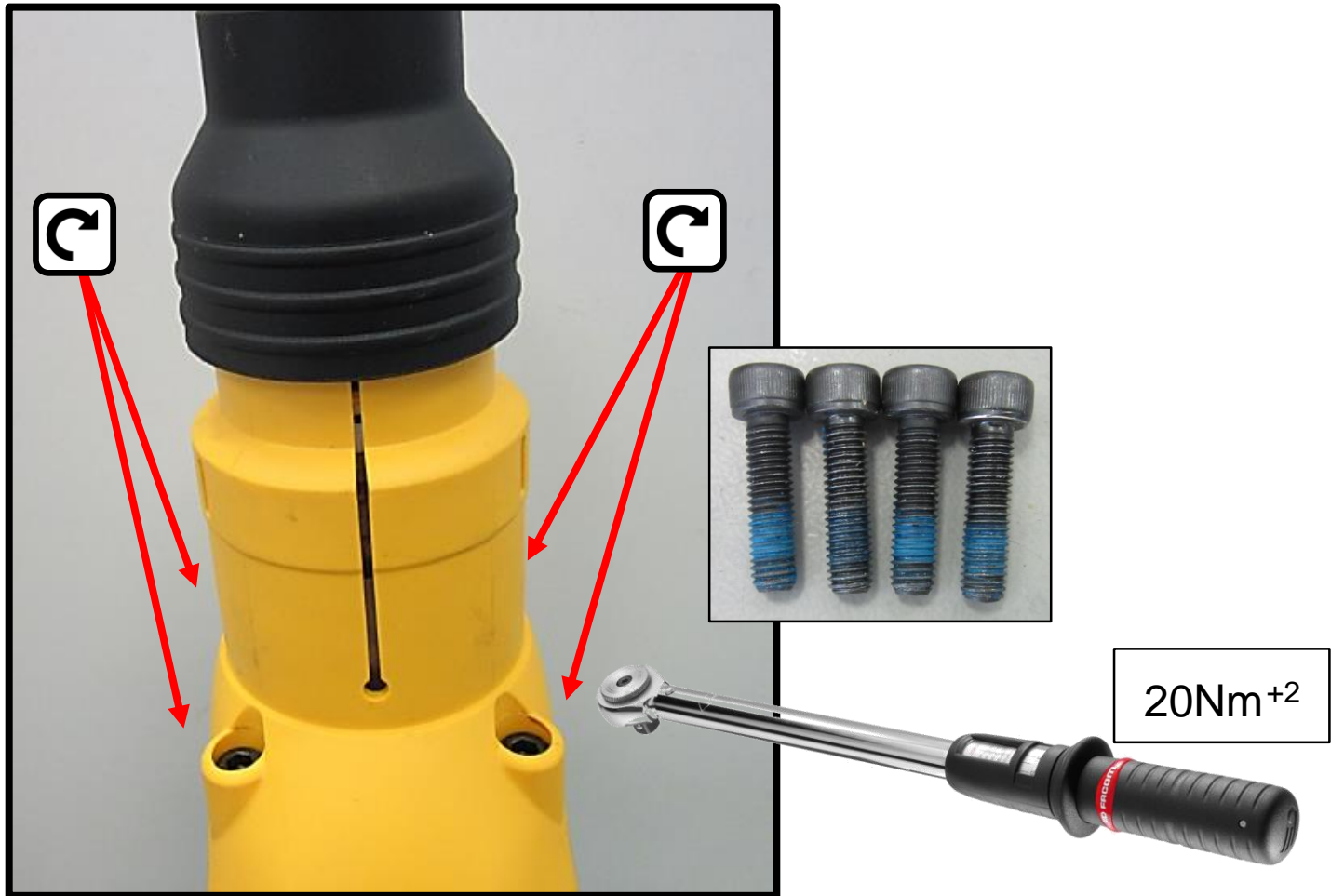


Bleed Hole has to be faced in motor direction, always check the bleed hole is clean and not blocked.



Refer to page 76 to 80







Assembling Lubrication

DCH733 D25733 D25872 D25773 D25892

The surface of internal components like gears, crankshaft, cylinder and front housing have to be coated by grease
 Note: The inner sure face of the spindle, as well the beat piece have to be lubricated by a coating of Paragon

	Gear Case/Clutch	Crank Shaft	Cylinder Piston Ram Bevel Gear	Front Housing	Damper Bush Washer
DCH733	20g Paragon	40g GLK 15Paragon	12g GLK	12g GLK 6g Paragon (O-Ring Groove)	10g GLK
D25733	20g Paragon	40g GLK 15Paragon	12g GLK	12g GLK 6g Paragon (O-Ring Groove)	10g GLK
D25872	30g Paragon	40g GLK 15Paragon	12g GLK	12g GLK 6g Paragon (O-Ring Groove)	10g GLK
D25773	20g Paragon	40g GLK 30Paragon	12g GLK	12g GLK 6g Paragon (O-Ring Groove)	10g GLK
D25892	30g Paragon	40g GLK 30Paragon	12g GLK	12g GLK 6g Paragon (O-Ring Groove)	10g GLK



DCH733	D25733	D25773
177-355 1/min	177-355 1/min	145-290 1/min



	<h2>EXTRA 8-10KG HAMMER TOOLING</h2>	TYP. 1
<p>USE DEWALT PART NUMBER 1003977-99</p> <p>30mm</p> <p>12mm</p> <p>diameter 55mm</p> <p>diameter 40mm</p> <p>9mm 9mm</p> <p>hole through 6.5mm</p> <p>THREADED HOLE THROUGH (M16 X2.0)</p> <p>PUT A SLIGHT CHAMFER ON ALL SHARP EDGES ALSO NEED A PIN DIAMETER 6 X 60MM LONG MADE FROM STEEL</p>	<p>USE WITH FACOM SLIDE HAMMER U.306M (used to remove 10kg spindle with 3 plastic rings)</p>	
<p>USE DEWALT PART NUMBER 1003978-99</p> <p>diameter 27.5mm</p> <p>DIAMETER 16mm</p> <p>80mm</p> <p>8mm</p> <p>86mm</p> <p>PUT A SLIGHT CHAMFER ON ALL SHARP EDGES can be made from aluminium or that hard black plastic</p>	<p>used to insert seal N422626 in gearcase cover</p>	
<p>USE DEWALT PART NUMBER 1003979-99</p> <p>32.5mm OD</p> <p>25mm OD</p> <p>40mm OD</p> <p>34.8mm OD</p> <p>14.8mm OD</p> <p>10mm 17mm 45mm 45mm 10mm</p> <p>PUT A SLIGHT CHAMFER ON ALL SHARP EDGES can be made from aluminium or that hard black plastic</p>	<p>25mm end used to insert needle bearing N408073 into main housing 14.8mm end used to insert bearing N110363 into gearcase cover</p>	
E*****	www.2helpu.com	00-00-0000 ©

After repair



Remember:
**the next check will be
made by your customer**

