

CASH[®] Small Animal Tool

Original Instruction Manual



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**DO NOT ATTEMPT TO USE THESE STUNNING TOOLS UNTIL
YOU HAVE READ AND UNDERSTOOD THE USER MANUAL**

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DISCLAIMER

This instruction manual is correct at the time of printing. However, because our policy is one of constant development and improvement, details and images may vary slightly from those provided in this publication.

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ONLY EVER USE GENUINE ACCLES & SHELVOKE REPLACEMENT PARTS. NOT USING GENUINE PARTS MAY LEAD TO PREMATURE COMPONENT AND TOOL FAILURE, WHICH COULD ENDANGER THE OPERATOR AND THOSE IN THE IMMEDIATE VICINITY. IT WILL ALSO INVALIDATE OUR ORIGINAL EQUIPMENT WARRANTY.

ACCLES & SHELVOKE WILL ACCEPT NO LIABILITY IF ANY COMPONENTS OTHER THAN THOSE SUPPLIED BY ACCLES & SHELVOKE ARE USED WITH OUR ORIGINAL EQUIPMENT. THE RESULTANT LIABILITY WILL BE WITH THE END USER OR THE DISTRIBUTOR WHO SUPPLIED THE UNAPPROVED REPLACEMENT PARTS.

CASH® Small Animal Tool

PRODUCT DESCRIPTION

The CASH Small Animal Tool is a cartridge powered, trigger operated, concussive, cylindrical style tool with automatic bolt return. It is available in .22” calibre and is designed for use on small animals such as piglets, kids, lambs and poultry. These tools are intended for professional use.

PRODUCT	PRODUCT CODE	PRODUCT DESCRIPTION	CALIBRE	MAXIMUM PERMITTED CARTRIDGE
CASH Small Animal Tool	CPK200	CASH Small Animal Tool	0.22	1 GRAIN (.22 BROWN)

The CASH Small Animal Tool is a captive bolt device which kills the target animal by means of a blow to the head (and brain). These tools are designed to kill all designated animals in accordance with EU Council Regulation (EC) number 1099/2009 On the Protection of Animals at the Time of Killing.

The CASH Small Animal Tool has been on the market for many years, and in that time has earned a reputation for being a reliable and effective tool.

To ensure the safety of the operator, and quality of products, all Accles & Shelvoke tools are proof tested in accordance with the Rules of Proof 2006. We have several ‘assistant proof masters’ who are accredited by the British Proof House (formerly the Birmingham Proof House, www.gunproof.com). We work to standards set by the Commission Internationale Permanente pour l’Epreuve des Armes à Feu Portatives (CIP). All tools are “Proofed” prior to being released to customers. Proofed components are stamped with the mark of the British Proof House, so that users can be assured of the quality and safety of the product.

The tool has been designed to be easy to use by implementing a palm/finger trigger.

ATTRIBUTE	STUNNER MODEL NUMBER
	CPK200
Length (mm)	315
Width (mm) (At Widest Point)	50
Weight (kg) *	1.5kg
'A' weighted Sound Pressure Level at workstation (dB)	83
'A' weighted Sound Power Level (dB)	77
'C' weighted Peak emissions (dB)	119
Calibre	.22
Chamber	Straight

* Rounded to 1 decimal place.

Sound values determined according to EN 15895 using EN ISO 3744, using the maximum rated cartridge for a given tool. Tests conducted using simulated load (paper sheets and plasticine).

The A-weighted sound pressure level and A-weighted sound power level have been calculated - and are hence valid – at the maximum number of driving processes in one second.

The maximum number of driving processes in the CASH Small Animal Tool is one per second. This applies to all of the tools in the range included in this instruction manual.

Information about vibrations

EN15895 states - for cartridge operated hand tools, the vibration total value to which the hand-arm system is subjected does not exceed 2.5m/s². The generated mechanical recoil that is transmitted into the hand and arm of the operator is not considered to be a vibration.

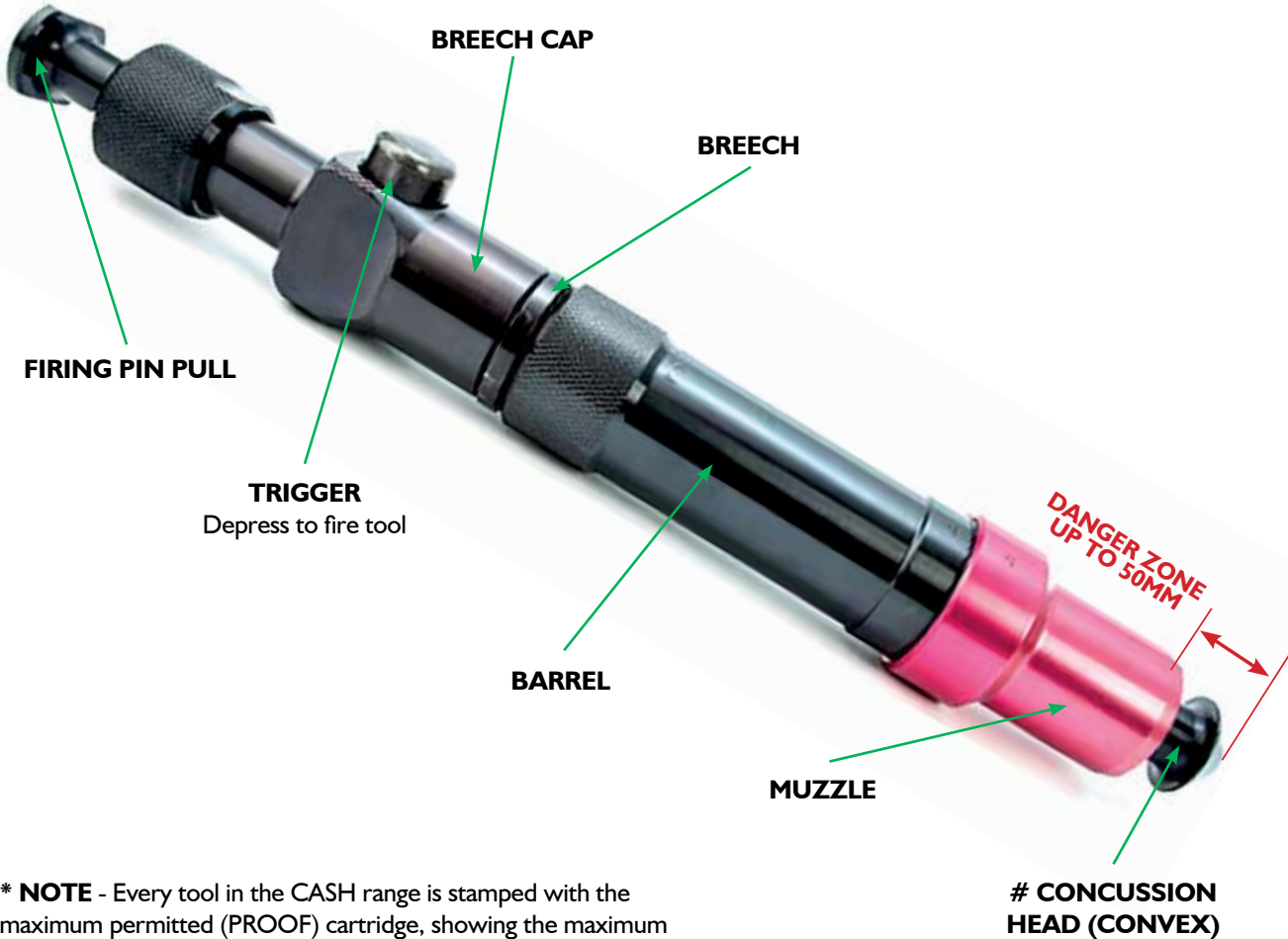
CASH SMALL ANIMAL TOOL

Fig. 3.01

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THE MAXIMUM GRAINS (GRN) AND SERIAL NUMBER OF THE TOOL CAN BE FOUND ENGRAVED ON THE BARREL OF THE STUNNER



* **NOTE** - Every tool in the CASH range is stamped with the maximum permitted (PROOF) cartridge, showing the maximum grains (GRN) that should be used.



NEVER POINT THE MUZZLE END OF THE STUNNING TOOL AT YOURSELF OR ANY OTHER PERSON



NEVER USE A MORE POWERFUL CARTRIDGE THAN THE MAXIMUM PERMITTED CARTRIDGE AS STAMPED ON YOUR STUNNING TOOL

NOTE - THE SMALL ANIMAL TOOL IS SUPPLIED WITH 2 CONCUSSION HEADS:-

- CONVEX HEAD FOR LARGE POULTRY AND QUADRUPEDS
- FLAT HEAD FOR SMALL POULTRY

Improving the protection of animals at the time of slaughter contributes to higher meat quality.

EU Only - in accordance with EU Council Regulation (EC) Number 1099/2009 on the protection of animals at the time of killing, animals must be spared any avoidable pain, distress or suffering during their killing and related operations.

Business operators shall in particular take the necessary measures to ensure that animals:

- (a) Are provided with physical comfort and protection, in particular by being kept clean, in adequate thermal conditions and prevented from falling or slipping;
- (b) Are protected from injury;
- (c) Are handled and housed taking into consideration their normal behaviour;
- (d) Do not show signs of avoidable pain or fear or exhibit abnormal behaviour;
- (e) Do not suffer from prolonged withdrawal of feed or water;
- (f) Are prevented from avoidable interaction with other animals that could harm their welfare.

In addition:

- ▶ Avoid excessive light and noise at the area to keep animal stress to a minimum.
- ▶ The operator should not have to concentrate on keeping his balance, or have to bend excessively each time the tool is used, as this becomes tiring and can lead to inaccurate shot placement.
- ▶ The efficiency of each tool is essential to ensuring an effective kill. Ensure cleaning and maintenance schedules detailed within this Instruction Manual are adhered to.
- ▶ Always ensure there is another (second) means to deliver an effective kill to the target animal.

NOTE - we always advise you refer to any local regulations in force.

CASH® Small Animal Tool

EFFECTIVE KILLING AND CARTRIDGE SELECTION

This section provides a guide to the correct stunning position and direction for certain animals, and helps you to select the correct cartridge for that animal. The cartridge selection information provided within this section of this instruction manual is not categorical and is hence supplied as guidance only.

GOOD PRACTISE

- ▶ Understand animal welfare – refer to the Animal Welfare section for further guidance
- ▶ Always ensure your CASH Small Animal Tool is in good working order
- ▶ Tools should be cleaned and maintained in the accordance with the instructions within this manual
- ▶ Ensure there is another (second) means to deliver an effective stun or kill to the target animal
- ▶ Tools will require more maintenance if used with cartridges that are more powerful than is necessary for the target animal

EFFECTIVE KILLING

The blow being applied to the correct part of the skull and in the right direction is important in ensuring an effective kill shot. The tool will crush the skull and the operator can be assured that death will follow. Refer to the diagrams and selection charts within this section for guidance. To obtain maximum effect, the muzzle of the CASH Small Animal Tool must always be held firmly against the head.

The Physical Signs of an Effective kill are:

Quadrupeds

- ▶ Animal collapses
- ▶ No rhythmic breathing
- ▶ Fixed, glazed expression in the eyes
- ▶ No corneal reflex
- ▶ Relaxed jaw
- ▶ Tongue hanging loose

Poultry

- ▶ Uncontrolled, severe wing flapping
- ▶ No rhythmic breathing immediately after stun
- ▶ No control over neck movement
- ▶ Leg flexion and extension
- ▶ Fixed, glazed expression in the eyes

FAILURE TO KILL

If the target animal is not killed after the shot is applied, it should be immediately killed by an alternative method.

**CORRECT TOOL POSITION
 PIGLETS**

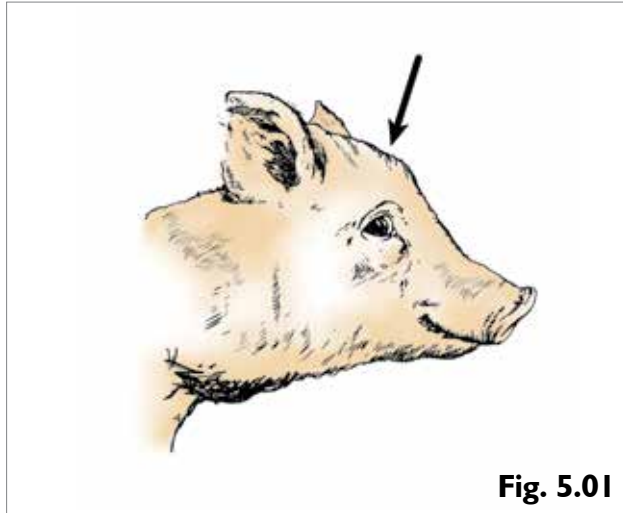


Fig. 5.01

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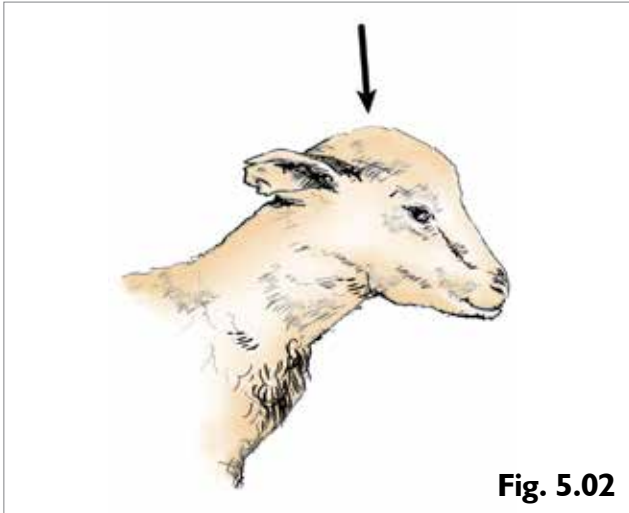
**NOTE - ALIGN TOOL AS INDICATED BY THE BLACK ARROW,
 CENTRALLY ON THE TARGET ANIMAL'S HEAD**

SUGGESTED TOOLS AND CARTRIDGES	
.22" RANGE	
CASH SMALL ANIMAL TOOL (CPK200)	
PIGLETS	BROWN
WEANERS & GROWERS	BROWN
MARKET PIGS	N/S
HEAVY ANIMALS	N/S
HEAVY SOWS & BOARS	N/S

N/S - NOT SUITABLE FOR DENOTED ANIMAL SIZE

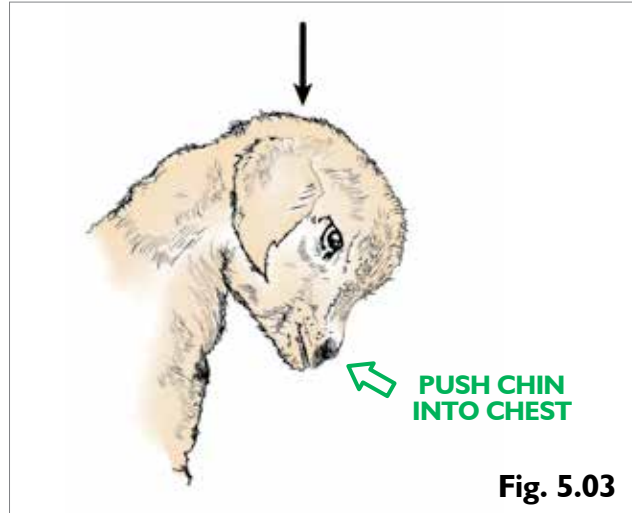
CORRECT TOOL POSITION

LAMBS



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KIDS



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**NOTE - ALIGN TOOL AS INDICATED BY THE BLACK ARROW,
 CENTRALLY ON THE TARGET ANIMAL'S HEAD**

SUGGESTED TOOLS AND CARTRIDGES

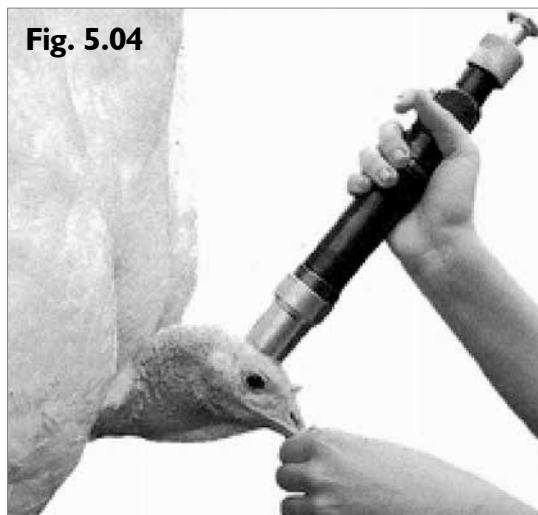
.22" RANGE

**CASH SMALL ANIMAL TOOL
 (CPK200)**

LAMBS & KIDS	BROWN
EWES	N/S
RAMS	N/S
GOATS	N/S

N/S - NOT SUITABLE FOR DENOTED ANIMAL SIZE

**CORRECT TOOL POSITION
 POULTRY**



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SUGGESTED TOOLS AND CARTRIDGES	
.22" RANGE	
CASH SMALL ANIMAL TOOL (CPK200)	
POULTRY	BROWN

OTHER ANIMAL SPECIES

Although the Small Animal Tool is predominantly used for the killing of poultry, lambs and piglets we know from our 100 year history that they are also used for other animal species:

As conclusive test results are not available for these animals, we recommend you seek the advice of an independent expert to understand the appropriate head placement and tool direction, prior to killing.

ACCLES & SHELVOKE CARTRIDGE RANGE

The tables on the next pages identify which cartridges from our range are suitable for use with the CASH Small Animal Tool. The cartridges are supplied in quantities of 50 in a metal tin, or 1000 in a box. All of our products will be clearly branded as Accles & Shelvoke CASH cartridges.

It is a condition of Accles & Shelvoke's product liability insurance that only CASH cartridges, in CASH cartons and bearing the "E" or "C" head marks, be used in tools manufactured by Accles & Shelvoke. It follows therefore, that no liability whatsoever can be accepted for any claim, including injury, should any other brand of cartridge be used.

Where cartridges other than these are used, Accles & Shelvoke will not accept responsibility for:

- ▶ The safety of the operator
- ▶ The humaneness of the kill
- ▶ The correct operation of the Small Animal Tool
- ▶ The premature failure of parts

Cartridges must be stored in cool, dry conditions. Exposure to excessive amounts of moisture may affect cartridge performance, which in turn will affect tool performance with the potential to create an ineffective kill of the animal.

When not in use, cartridges should be locked away separately from any stunning tools.

NOTE - "N/S" – WITH REFERENCE TO THE COMPATABILITY TABLES IN THIS SECTION OF THE MANUAL, "N/S" IDENTIFIES THAT THE CARTRIDGES HIGHLIGHTED ARE NOT SUITABLE FOR USE WITH THE SMALL ANIMAL TOOL.



EXCEEDING THE PERMITTED STRENGTH OF CARTRIDGE COULD BE HAZARDOUS TO THE OPERATOR, WILL REDUCE THE EXPECTED LIFE OF THE TOOL OR ITS COMPONENTS AND WILL INVALIDATE OUR WARRANTY

CASH® Small Animal Tool
EFFECTIVE KILLING AND
CARTRIDGE SELECTION

TOOL & CARTRIDGE COMPATABILITY - .22" CALIBRE								
			1 GRAIN	1.25 GRAIN	2 GRAIN	3 GRAIN	4 GRAIN	4.5 GRAIN
CALIBRE	PRODUCT CODE	DESCRIPTION	BROWN	PINK	PURPLE	GREEN	RED	BLACK
.22"	CPK200	CASH Small Animal Tool	YES	N/S	N/S	N/S	N/S	N/S

To order your .22" calibre cartridges, please select the appropriate part number from the table below:

PART NUMBERS FOR .22" CARTRIDGES BY QUANTITY			
SIZE	COLOUR	50 IN A TIN	1000 IN A BOX
1 GRAIN	BROWN	7505T	7505

KEY PARAMETERS FOR CARTRIDGE SELECTION

The table on this page details the key performance parameters for the CASH Small Animal Tool when used in conjunction with approved Accles & Shelvoke cartridges.

This information is issued to satisfy the requirements of EU Council Regulation (EC) Number 1099/2009 on the protection of animals at the time of killing. It provides guidelines to aid the selection of an appropriate cartridge to perform effective killing on a particular type and size of animal. Whilst we believe this regulation is open to interpretation, these parameters have been published following years of experience.

These figures may only be used when quoted with the associated notes. Accles & Shelvoke will not accept responsibility for the reliability of these figures if used out of context.

PRODUCT CODE	CALIBRE	CARTRIDGE GRAINS (NOMINAL)	ACCLES & SHELVOKE CARTRIDGE COLOUR	# BOLT (HEAD) DIAMETER (MM)	AVERAGE BOLT VELOCITY* (M/S)	MINIMUM BOLT EXIT LENGTH** (MM)	ENERGY GENERATED (J)
CPK200	.22"	1	BROWN	10.7/25.0	24.6	Up to 50mm	53.7

Notes

- # Bolt shank and head diameters quoted
- * When measured in air over a distance of 8mm
- ** When fired in air

- These quoted figures have been established during extensive testing at the Accles & Shelvoke factory test facility.
- At the time of going to print, the current Accles & Shelvoke stuncheck unit is not suitable for the velocity testing of the CASH Small Animal Tool.

The velocity figures quoted are accurate within +/- 10%, when using a stunner that is in good condition and maintained in accordance with this instruction manual.



DO NOT ATTEMPT TO USE THIS TOOL UNTIL YOU HAVE READ AND UNDERSTOOD THESE INSTRUCTIONS.



ALWAYS WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT (PPE) WHENEVER YOU ARE WORKING WITH, CLEANING OR MAINTAINING YOUR SMALL ANIMAL TOOL. ALWAYS WEAR PROTECTIVE GLASSES AND HEARING PROTECTION. THE CORRECT FOOT PROTECTION MUST BE WORN. THERE IS A RISK THAT IF THE TOOL IS DROPPED, THE BOLT MAY SEVERELY DAMAGE THE FOOT OF THE TOOL USER.



ALWAYS POINT THE TOOL AWAY FROM YOUR BODY AND AWAY FROM ANY OTHER PERSON IN THE VICINITY WHEN HANDLING OR OPERATING THE TOOL

GENERAL SAFETY STATEMENT

- ▶ THE INTENDED USE OF THIS TOOL IS FOR THE KILLING OF SMALL ANIMALS AND POULTRY
- ▶ ANYONE GRANTED THE AUTHORITY TO USE ONE OF THESE TOOLS SHOULD HAVE READ THIS INSTRUCTION MANUAL SUCH THAT THEY ARE MADE FULLY AWARE OF THE POTENTIAL RISKS
- ▶ THIS TOOL HAS THE POTENTIAL TO CAUSE SEVERE INJURY OR FATALITY IF USED IMPROPERLY OR INAPPROPRIATELY OUTSIDE OF ITS INTENDED SCOPE OF USE



DANGER - The hazards listed in this section pose a high level of risk which, if not avoided will result in death or serious injury

- ▶ NEVER POINT THE TOOL AT YOURSELF OR ANY OTHER PERSON - THE BOLT WILL DELIVER A VERY HARMFUL BLOW WHICH MAY LEAD TO SEVERE AND IRREVERSIBLE DAMAGE, POSSIBLY LEADING TO FATALITY
- ▶ NEVER FIRE THE TOOL IN AN AREA DESIGNATED AS FLAMMABLE OR CONTAINING EXPLOSIVES
- ▶ NEVER PASS THE TOOL TO ANY OTHER PERSON WHEN IT IS COCKED AND READY TO FIRE - ACCIDENTAL FIRING OF THE BOLT MAY DELIVER A VERY HARMFUL BLOW WHICH MAY LEAD TO SEVERE AND IRREVERSIBLE DAMAGE POSSIBLY LEADING TO FATALITY
- ▶ NEVER LEAVE A CARTRIDGE, WHETHER LIVE OR FIRED, IN THE BREECH - TO PREVENT ACCIDENTAL FIRING OF THE BOLT
- ▶ TOOLS SHOULD BE FIRED AS FAR AWAY FROM THE BODY AS IS COMFORTABLE AND ALWAYS POINTING AWAY FROM THE OPERATOR - FIRING OF THE BOLT TOWARD BODY PARTS MAY DELIVER A VERY HARMFUL BLOW WHICH MAY LEAD TO SEVERE AND IRREVERSIBLE DAMAGE, POSSIBLY LEADING TO FATALITY
- ▶ NEVER MODIFY OR CUSTOMISE THE TOOL - THIS MAY RENDER THE TOOL UNSTABLE AND UNSAFE FOR USE, WITH THE POTENTIAL TO FIRE ACCIDENTALLY. IT WILL ALSO INVALIDATE YOUR WARRANTY
- ▶ ENSURE YOU ARE BALANCED AND STABLE PRIOR TO FIRING TO AID TOOL POSITIONING ACCURACY. AVOID OVER-STRETCHING AND UNFAVOURABLE BODY POSITIONS - TO MINIMISE THE RISK OF DROPPING THE TOOL AND/OR ACCIDENTAL FIRING
- ▶ CARTRIDGE MISFIRES - IF THE CARTRIDGE HAS MISFIRED (NOT FIRED), PUT THE TOOL DOWN IMMEDIATELY AND WAIT FOR 30 SECONDS BEFORE FOLLOWING THE PROCEDURE IN SECTION 9 OF THIS MANUAL - TO AVOID DELAYED FIRING OF THE CARTRIDGE - WHICH MAY CAUSE SEVERE DAMAGE IF FIRING OCCURS WHILST BEING HANDLED



ALWAYS WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT (PPE) WHENEVER YOU ARE WORKING WITH, CLEANING OR MAINTAINING YOUR SMALL ANIMAL TOOL. ALWAYS WEAR PROTECTIVE GLASSES AND HEARING PROTECTION. THE CORRECT FOOT PROTECTION MUST BE WORN. THERE IS A RISK THAT IF THE TOOL IS DROPPED, THE BOLT MAY SEVERELY DAMAGE THE FOOT OF THE TOOL USER.



DANGER - If the tool is set in the cocked (ready to fire) position and is dropped, there is a potential risk to the operator and/or people within the immediate vicinity of the dropped tool. The hazards listed in this section pose a high level of risk, which if not avoided will result in serious injury.

- ▶ IF IT DROPS AND LANDS ON THE TRIGGER, THE TOOL WILL FIRE AND THE BOLT WILL BE PROPELLED OUT OF THE TOOL AT A VERY HIGH VELOCITY. THE BOLT HAS THE POTENTIAL TO WILL DELIVER A VERY PAINFUL BLOW TO THE FEET OR LEGS IF THEY ARE WITHIN 50mm OF THE BOLT WHEN IT FIRES OUT OF THE TOOL

OUR ADVICE TO MINIMISE THE RISK:-

- ▶ IF THE TOOL IS DROPPED, LET IT FALL, DO NOT TRY TO CATCH IT
- ▶ STEP AS FAR AWAY (AS IT IS SAFE TO) FROM THE TOOL AS IT FALLS, BUT WATCH IT HIT THE FLOOR
- ▶ TAKE APPROPRIATE AVOIDABLE ACTION IF TOOL REBOUNDS
- ▶ DO NOT APPROACH THE TOOL UNTIL IT IS STATIONARY
- ▶ AFTER BEING DROPPED, CHECK THAT THE CONCUSSION HEAD OF THE BOLT IS NOT DAMAGED
- ▶ ENSURE THE TOOL IS WORKING CORRECTLY BEFORE RECOMMENCING USE
- ▶ IF IN DOUBT, THE TOOL SHOULD BE CHECKED AND REPAIRED AS NECESSARY



WARNING - The hazards listed in this section pose a medium level of risk which, if not avoided may result in recoverable injury

- ▶ DO NOT FIRE THE BOLT INTO HARD, BRITTLE OR IMPENETRABLE MATERIALS - AS THE BOLT MAY FRAGMENT AND POSE A DANGER OF FLYING PARTICLES
- ▶ NEVER USE A MORE POWERFUL CARTRIDGE THAN THE MAXIMUM PERMITTED CARTRIDGE AS STAMPED ON YOUR TOOL - TO PREVENT CARTRIDGE BURST AND EXCESSIVE NOISE IN OPERATION
- ▶ KEEP THE TOOL DRY AND CLEAN - TO ENSURE YOU HAVE AN ADEQUATE GRIP ON THE TOOL DURING USE AND MINIMISE THE RISK OF DROPPING THE TOOL
- ▶ WHEN PLACING THE ASSEMBLED TOOL – OR IF THE TOOL HAS BEEN SEPARATED THE CAP OR BARREL (REFER TO FIG 3.01) – DOWN ONTO A WORK SURFACE ENSURE THERE IS A MEANS TO PREVENT THE TOOL OR TOOL PARTS FROM ROLLING OFF THE WORK SURFACE. IF THE TOOL FALLS OR DROPS FROM THE WORK SURFACE, IT MAY DROP ONTO THE FOOT OF THE OPERATOR OR OTHER PEOPLE IN THE VICINITY.



CAUTION - The hazards listed in this section pose a low level of risk which, if not avoided may result in minor or moderate injury

- ▶ KEEP FINGERS AWAY FROM BENEATH THE FIRING PIN PULL WHEN THE TOOL IS COCKED AND READY TO FIRE TO PREVENT TRAPPING.



ALWAYS WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT (PPE) WHENEVER YOU ARE WORKING WITH, CLEANING OR MAINTAINING YOUR SMALL ANIMAL TOOL. ALWAYS WEAR PROTECTIVE GLASSES AND HEARING PROTECTION. THE CORRECT FOOT PROTECTION MUST BE WORN. THERE IS A RISK THAT IF THE TOOL IS DROPPED, THE BOLT MAY SEVERELY DAMAGE THE FOOT OF THE TOOL USER.



NEVER HANDLE OR OPERATE ANY STUNNING EQUIPMENT WHILST UNDER THE INFLUENCE OF ALCOHOL OR DRUGS. IF TAKING PRESCRIBED MEDICATION, SEEK THE ADVICE OF YOUR DOCTOR PRIOR TO HANDLING OR OPERATING STUNNING EQUIPMENT.

GENERAL PRECAUTIONS AND GOOD PRACTISE

IMPROPER USE

- ▶ ONLY EVER USE THIS TOOL FOR KILLING OR THE STUNNING OF LIVE ANIMALS
- ▶ ONLY EVER USE GENUINE ACCLES & SHELVOKE SUPPLIED CARTRIDGES AND SPARES
- ▶ DO NOT FIRE "AIR SHOTS"(FIRING OF THE BOLT INTO AIR) AS THIS WILL REDUCE THE WORKING LIFE OF THE TOOL AND ITS COMPONENTS

WORKPLACE PRECAUTIONS

- ▶ THE TOOL SHOULD BE USED IN WELL ILLUMINATED AND WELL VENTILATED WORKPLACE ENVIRONMENTS
- ▶ KEEP THE WORKPLACE CLEAN AND CLEAR OF UNNECESSARY OBSTACLES OR TRIP HAZARDS
- ▶ ENSURE THE WORK AREA IS FREE OF SLIPPERY SUBSTANCES. THESE ARE POTENTIAL SLIP HAZARDS TO THE OPERATOR WHICH COULD LEAD TO SERIOUS INJURY OR FATALITY IF THE OPERATOR SLIPS WHILST HOLDING A COCKED TOOL

OPERATIONAL PRECAUTIONS

- ▶ ONLY LOAD CARTRIDGES WHEN THEY ARE READY TO BE USED
- ▶ IF A CARTRIDGE STICKS IN THE BREECH AND WILL NOT EJECT, DO NOT USE A SHARP INSTRUMENT TO REMOVE. THE CARTRIDGE SHOULD BE REMOVED IN ACCORDANCE WITH THESE INTRUCTIONS IN SECTION 9 - TROUBLESHOOTING
- ▶ TOOLS MAY BE USED IN AN ALTERNATING SYSTEM AS PART OF A PLANNED OPERATING CYCLE
- ▶ JOB ROTATION MAY HELP MAINTAIN THE APPROPRIATE HIGH LEVELS OF CONCENTRATION REQUIRED AT THE WORKPLACE, HELPING TO MINIMISE ANY RISK DUE TO TIREDNESS OR FATIGUE

GOOD PRACTISE

- ▶ THE CLEANING AND MAINTENANCE SCHEDULE DETAILED IN THIS MANUAL SHOULD BE ADHERED TO, TO ENSURE THE TOOL OPERATES SAFELY AND CORRECTLY TO PROVIDE EFFECTIVE ANIMAL KILLING
- ▶ AT THE END OF A WORKING SHIFT, OR IF THE TOOL IS NOT GOING TO BE USED FOR PROLONGED PERIODS, THE UNCOCKED AND UNLOADED TOOL SHOULD BE STORED IN COOL DRY CONDITIONS AND LOCKED SECURELY IN A WAY THAT NO UNAUTHORISED ACCESS TO THE TOOL IS POSSIBLE
- ▶ CARTRIDGES SHOULD BE LOCKED AWAY SEPARATELY FROM THE TOOL IN COOL, DRY CONDITIONS
- ▶ EXPOSURE TO EXCESSIVE AMOUNTS OF MOISTURE MAY AFFECT CARTRIDGE PERFORMANCE WHICH IN TURN WILL AFFECT TOOL PERFORMANCE, WITH THE POTENTIAL TO CREATE AN INEFFECTIVE KILL OF THE ANIMAL. WET CARTRIDGES WILL NOT FIRE AND SHOULD NOT BE USED
- ▶ ALWAYS WASH YOUR HANDS AFTER USING ANY TOOL TO ENSURE CLEANLINESS



ALWAYS WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT (PPE) WHENEVER YOU ARE WORKING WITH, CLEANING OR MAINTAINING YOUR SMALL ANIMAL TOOL. ALWAYS WEAR PROTECTIVE GLASSES AND HEARING PROTECTION. THE CORRECT FOOT PROTECTION MUST BE WORN. THERE IS A RISK THAT IF THE TOOL IS DROPPED, THE BOLT MAY SEVERELY DAMAGE THE FOOT OF THE TOOL USER.






TRANSPORTATION OF STUNNING TOOLS AND CARTRIDGES BETWEEN SITES

THIS TOOL HAS BEEN SUPPLIED TO YOU WITH THE INTENTION OF SINGLE SITE USE - SUPPLIED WITHOUT A LOCKABLE STORAGE CONTAINER. SHOULD THERE BE A NEED TO TRANSPORT THIS TOOL AND LIVE CARTRIDGES BY ROAD BETWEEN SITES, WE ADVISE:-

- ▶ PRIOR TO TRANSPORTATION, YOU SHOULD SEEK THE APPROPRIATE ADVICE CONCERNING APPLICABLE LOCAL LAWS AND REGULATIONS IN FORCE ON THE TRANSPORTATION OF CARTRIDGES TO BE USED FOR ANIMAL STUNNING
- ▶ THE TOOL AND CARTRIDGES ARE TRANSPORTED IN SEPARATE LOCKABLE CONTAINERS
- ▶ THEY ARE HIDDEN FROM PUBLIC VIEW, ie NO-ONE OUTSIDE OF THE VEHICLE CAN SEE THE LOCKABLE CONTAINERS WITHIN THE VEHICLE.

CASH® Small Animal Tool

SAFE OPERATING INSTRUCTIONS

-  **DO NOT ATTEMPT TO USE THIS TOOL UNTIL YOU HAVE READ AND UNDERSTOOD THESE INSTRUCTIONS.**
-    **ALWAYS WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT (PPE) WHENEVER YOU ARE WORKING WITH, CLEANING OR MAINTAINING YOUR SMALL ANIMAL TOOL. ALWAYS WEAR PROTECTIVE GLASSES AND HEARING PROTECTION. THE CORRECT FOOT PROTECTION MUST BE WORN. THERE IS A RISK THAT IF THE TOOL IS DROPPED, THE BOLT MAY SEVERELY DAMAGE THE FOOT OF THE TOOL USER.**
-  **WHEN PLACING THE ASSEMBLED TOOL – OR IF THE TOOL HAS BEEN SEPARATED THE CAP OR BARREL (REFER TO FIG 3.01) – DOWN ONTO A STORAGE SURFACE ENSURE THERE IS A MEANS TO PREVENT THE TOOL OR TOOL PARTS FROM ROLLING OFF THE STORAGE SURFACE. IF THE TOOL FALLS OR DROPS FROM THE STORAGE SURFACE, IT MAY DROP ONTO THE FOOT OF THE OPERATOR OR OTHER PEOPLE IN THE VICINITY.**

NOTE

- ▶ The maximum recommended usage rate for a CASH Small Animal Tool is 100 shots per hour using the maximum specified cartridge.

1 PREPARING FOR LOADING

- 1.1 Turn the breech cap counter clockwise and pull away. (refer to Fig 7.01)**
- 1.2 Make sure firing pin and trigger are uncocked.**
- 1.3 If spent (fired) cartridge is in the chamber, remove the cartridge by hand.**

NOTE

- ▶ If spent cartridge is stuck in the chamber, do not attempt to remove it by prising it out with a sharp implement or improvised extraction tool. (Refer to Section 9 of this manual)

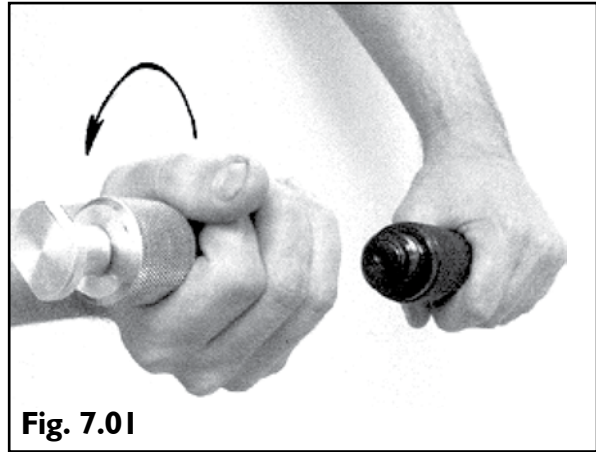


Fig. 7.01

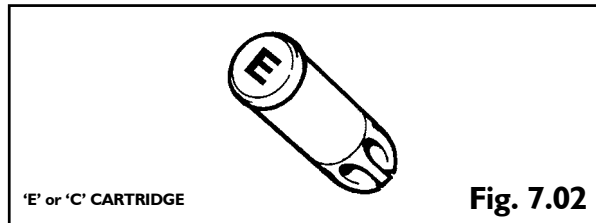
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2 LOADING

- 2.1 Before inserting the cartridge, ensure that the bolt is fully retracted.**
- 2.2 Obtain a single cartridge, and load the cartridge into the cartridge chamber crimped end first.**

NOTE

- ▶ Only load the cartridge immediately before firing
- ▶ Keep the cartridge clean and dry before insertion into the chamber
- ▶ Visually check the concussion head is fully retracted
- ▶ Only use the correct grade of CASH cartridge bearing the “E” or “C” headmark, as shown in Fig. 7.02
- ▶ When not in use, never leave a cartridge in the chamber, whether live or spent
- ▶ Never leave a loaded stunner unattended



‘E’ or ‘C’ CARTRIDGE

Fig. 7.02

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CASH® Small Animal Tool

SAFE OPERATING INSTRUCTIONS



ALWAYS POINT THE TOOL AWAY FROM YOUR BODY AND AWAY FROM ANY OTHER PERSON IN THE VICINITY WHEN HANDLING OR OPERATING THE TOOL

3 MAKE READY FOR FIRING

- 3.1 With the tool facing away from you, align the breech cap to the barrel and screw the breech cap clockwise until securely fastened. (refer to Fig 7.03)
- 3.2 With the tool facing away from you, pull the firing pin upwards until there is a “CLICK”, the tool is now cocked and ready to fire.

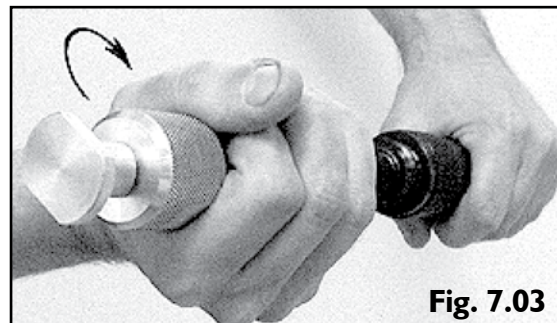


Fig. 7.03

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NOTE

- ▶ Do not point the tool at yourself or any other person.
- ▶ Keep your fingers away from and clear of the trigger when loading the cartridge.
- ▶ Do not place the tool down when it is cocked and ready to fire.

4 FIRE

- 4.1 Position the muzzle tip into the correct position on the target animal's head and when it touches, you should instantaneously fire the tool by depressing the trigger to kill the target animal.

NOTE

- ▶ Refer to section 5 - Effective killing and cartridge selection for the correct position and angle for the target animal
- ▶ Do not attempt to FIRE if the animal is moving its head
- ▶ The muzzle application must be smooth and accurate and the tool fired the instant it is in position on the target area of the head
- ▶ If the shot is aborted, disassemble the tool and remove the cartridge to make the tool safe

5 EXTRACTION

- 5.1 Turn the breech cap counter-clockwise until the breech cap parts with the barrel presenting the chamber.
- 5.2 Remove the spent cartridge by pulling the cartridge upwards to remove it.
- 5.3 The tool is now ready for the next cartridge.



IF THE CARTRIDGE HAS MISFIRED (NOT FIRED), PUT THE TOOL DOWN IMMEDIATELY AND WAIT FOR 30 SECONDS BEFORE FOLLOWING THE PROCEDURE IN SECTION 9 OF THIS INSTRUCTION MANUAL

NOTE

- ▶ If the spent cartridge is stuck in the chamber, follow the procedure in Section 9 of this manual to remove safely
- ▶ Do not use a sharp implement to remove stuck cartridges as this may damage the breech or barrel

CASH® Small Animal Tool

CLEANING & GENERAL MAINTENANCE



DO NOT ATTEMPT TO USE THIS TOOL UNTIL YOU HAVE READ AND UNDERSTOOD THESE INSTRUCTIONS.



ALWAYS WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT (PPE) WHENEVER YOU ARE WORKING WITH, CLEANING OR MAINTAINING YOUR SMALL ANIMAL TOOL. ALWAYS WEAR PROTECTIVE GLASSES AND HEARING PROTECTION. THE CORRECT FOOT PROTECTION MUST BE WORN. THERE IS A RISK THAT IF THE TOOL IS DROPPED, THE BOLT MAY SEVERELY DAMAGE THE FOOT OF THE TOOL USER.

PART NO.	DESCRIPTION	QUANTITY PER SET
4187	**SPECIAL CASH PISTOL OIL	1
4192	**COPASLIP THREAD GREASE	1
6067	**PISTOL OIL	1
5900	HANDLE	1
5901	WOOL MOP (.22)	1
5903	CHAMBER BRUSH (.22)	1
CPK233	CONCUSSION HEAD	1
6942	CLEANING BRUSH	1
4306	14mm CONE SPANNER	2

TABLE NOTES

Items highlighted above are included with every CASH Small Animal Tool.

The non-highlighted items are available as maintenance spares.

** Product Data Sheets available upon request

MAINTENANCE AND CLEANING RECORD

It is a requirement of EU COUNCIL REGULATION (EC) No 1099/2009 - On the protection of animals at the time of killing, that all equipment is maintained in accordance with the manufacturers' instructions and that a log detailing the maintenance is recorded and available for external auditing purposes.

We recommend you create a maintenance and cleaning record for each individual tool, containing as a minimum the following information

- ▶ Tool product code and description
- ▶ Serial number
- ▶ Service start date (date tool was first used)
- ▶ Cleaning dates - both daily and weekly (in accordance with the cleaning stated in this instruction manual)
- ▶ Part replacement details - part number and description - date replacement/maintenance took place
- ▶ Shots fired - total number of shots fired with the tool on a daily or weekly basis
- ▶ Name and position of person conducting the cleaning or maintenance on any given day

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ACCLES & SHELVOKE WILL ACCEPT NO LIABILITY IF ANY COMPONENTS OTHER THAN THOSE SUPPLIED BY ACCLES & SHELVOKE ARE USED WITH OUR ORIGINAL EQUIPMENT. THE RESULTANT LIABILITY WILL BE WITH THE END USER OR THE DISTRIBUTOR WHO SUPPLIED THE UNAPPROVED REPLACEMENT PARTS.



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CLEANING DAILY - CASH Small Animal Tool

- 1 Unscrew breech cap from breech and ensure that stunner is not loaded.
- 2 Clean the inside of the breech cap with a cloth soaked in Pistol Oil and then wipe dry with clean cloth
- 3 Unscrew breech anti-clockwise and remove from barrel.
- 4 Chamber Cleaning - Assemble the chamber brush shown in Fig. 8.01 and the chamber mop shown in Fig. 8.02 to the brush and mop handle Fig 8.03, screwing together hand tight. Using the brush end, insert via the open barrel end, into the cartridge chamber, and with a turning action, push in and out of the chamber to remove all powder residue. Youngs 303 fluid can be used if the powder is difficult to remove. Apply some pistol oil to the mop head. Insert via the open barrel end into the cartridge chamber, and with a turning action, push in and out of the chamber to remove any remaining residue or powder
- 5 Clean inside of breech bore with a cleaning brush soaked in pistol oil, wipe the barrel and breech out with a clean cloth.
- 6 Remove muzzle and push down on hard surface against concussion head to expose piston end of bolt.
- 7 Using a clean cloth with a drop of pistol oil, clean the piston end of the bolt to remove residue
- 8 If the bolt does not push backwards or forwards freely, this will imply that additional cleaning may be required – see “Cleaning Weekly”
- 9 Wipe all accessible areas inside barrel with a clean cloth.
- 10 Re-assemble and check the tool is working correctly before re-using



DO NOT NEGLECT THE WASHERS OR SLEEVES. TOOL PERFORMANCE WILL BE DIMINISHED IF THESE PARTS ARE NOT IN GOOD CONDITION



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CLEANING WEEKLY - CASH Small Animal Tool

ADDITIONAL CLEANING AND MAINTENANCE FREQUENCY DEPENDING ON USE, BUT MINIMUM WEEKLY

- 1 Repeat steps 1 to 3 from “Cleaning Daily”
- 2 Using 14mm spanners provided – one on the concussion head and one on the piston end of the bolt - unscrew the head from the bolt
- 3 Withdraw the bolt with the washers and recuperator sleeves from the barrel
- 4 Clean the inside of the barrel with a cloth soaked in pistol oil. A brush may be required to remove any stubborn carbon
- 5 Remove powder residue from the recuperator sleeves and washers using a cloth soaked in pistol oil. Check for wear. Over time the rear recuperator sleeve will show the most amount of wear. Repositioning the outer recuperator sleeves to a central position will prolong overall life. Replace worn washers and recuperator sleeves.
- 6 Using a wire brush and a cloth soaked in pistol oil, remove powder residue from the bolt. If there is a bolt run problem check for bending by rolling the bolt stem only along a flat surface while looking for undulation.
- 7 Re-assemble. We recommend the use of a threadlock on the threads of the concussion head and bolt to ensure the parts remain together in use.
- 8 Ensure there is no float in the bolt once the barrel and bolt has been re-assembled. Any float will affect the performance of the tool and lead to an ineffective stun.



ONLY PERSONNEL WHO HAVE BEEN AUTHORISED TO DO SO SHOULD CONDUCT ANY RECTIFICATION IDENTIFIED IN THIS TROUBLESHOOTING SECTION



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SYMPTOMS

CAUSES

ACTION

Cartridge misfires

Firing pin failing to make contact with cartridge
 Water or oil-contaminated cartridges
 Oil in cartridge chamber
 Main firing pin spring is weak

If no indent is visible on the cartridge head, refer to corrective procedure on the next page
 Use a new box of cartridges
 Remove oil and clean the chamber
 Replace spring

Tool fires, but there is insufficient power to kill the animal (refer to 'Section 5 - Effective Killing and Cartridge Selection', in this manual, for the physical signs of an effective kill)

Corrosion inside barrel
 Incorrect strength of cartridge being used
 Incorrect positioning of stunner on animal
 Concussion head not returning fully into the breech after each shot

Check and remove if present
 Check type of cartridge against product code of tool and animals being stunned by referring to 'Section 5' in this manual
 Check tool position with those advised in Section 5 of this manual
 Check for carbon deposits on bolt, breech or in chamber and remove by cleaning as instructed in 'Section 8' of this manual

Cartridge stuck or difficult to extract

Split or damaged cartridge in chamber
 Cartridge chamber not clean
 Cartridge chamber not clean

Return tool to maintenance department for removal and repair
 Refer to corrective procedure on next page
 Refer to 'Section 8 - Cleaning and General Maintenance' for chamber cleaning instructions

Unusually loud noise when fired

Split cartridge

Check for damaged cartridge chamber / breech, return to manufacturer for repair
 Check that the correct cartridge is being used



ALWAYS POINT THE TOOL AWAY FROM YOUR BODY AND AWAY FROM ANY OTHER PERSON IN THE VICINITY WHEN HANDLING OR OPERATING THE TOOL

SAFE MISFIRE REMOVAL

If the cartridge does not fire, follow the procedure below

- 1 Holding the tool with the muzzle pointing away from you or any other person, do nothing and wait for at least 30 seconds before continuing
- 2 Turn the breech cap counter-clockwise and unscrew until the breech cap and barrel are separate
- 3 Observe if the cartridge is wet, oily or dirty
- 4 Look at the cartridge head - if it has been struck, drop the cartridge into a water-filled metal container to make safe;
- 5 If there is no indent, follow the corrective MISFIRE procedure below
- 6 Clean the cartridge chamber using chamber brush and mop before testing with a new cartridge
- 7 If the tool misfires a second time, remove it from the work area as it requires further investigative work and servicing

MISFIRE - CORRECTIVE ACTION WHEN THE FIRING PIN DOES NOT STRIKE THE HEAD

If no indent is visible on the cartridge head, strip down the tool and check the condition and operation of parts.

- ▶ Worn or damaged firing pin (Item 10) - replace pin as described in Section 10
- ▶ Worn or damaged firing pin spring (Item 15) - replace spring as described in Section 10
- ▶ Test the tool after every corrective action to ensure the tool is working correctly before putting back into operation

TRAPPED OR STUCK CARTRIDGE REMOVAL

To remove a cartridge that is stuck in the chamber

- 1 Disassemble the tool as described in Section 8, CLEANING WEEKLY
- 2 Using a push rod of 3/16" (4.5mm) diameter, insert into the breech bore and gently push out the cartridge through the cartridge chamber.
- 3 Chamber Cleaning - Assemble the chamber brush shown in Fig. 8.01 and the chamber mop shown in Fig. 8.02 to the brush and mop handle Fig 8.03, screwing together hand tight. Using the brush end, insert via the open barrel end, into the cartridge chamber, and with a turning action, push in and out of the chamber to remove all powder residue. Youngs 303 fluid can be used if the powder is difficult to remove. Apply some pistol oil to the mop head. Insert via the open barrel end into the cartridge chamber, and with a turning action, push in and out of the chamber to remove any remaining residue or powder
- 4 Reassemble using reverse procedure to above
- 5 If the tool misfires a second time, remove it from the work area as it requires further investigative work and servicing



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TO REPLACE THE FIRING PIN AND THE FIRING PIN SPRING:-

- 1 Dis-assemble the breech cap assembly from the barrel and hold in a soft jawed vice
- 2 Unscrew the spring cap (item 8) using a spanner on the spring cap flats
- 3 Pull the firing pin assembly out of the breech cap (the trigger and trigger spring are now released from the cap)
- 4 Inspect the firing pin - replace if firing contact point is flat or damaged
- 5 Inspect firing pin - replace if the contact faces (with the trigger) are excessively rounded

NOTE - If the firing pin/trigger contact faces are excessively rounded, this may cause a condition where the tool may be fired with a light depression on the trigger.

- 6 Inspect the firing pin spring - replace if broken or excessively compressed.

TO REPLACE TRIGGER OR TRIGGER SPRING:-

- 1 Disassemble breech cap assembly from the barrel and hold in a soft jawed vice
- 2 Unscrew spring cap (item 8) using a spanner on the spring cap flats
- 3 Pull firing pin assembly out of the breech cap, this releases the trigger (item 9) and trigger spring (item 11)
- 4 Inspect trigger spring, replace if torn, ripped or if excessively compressed

NOTE - Trigger spring should have sufficient force when assembled to push the firing pin away from the cartridge and to allow the trigger to lift

- 5 Inspect trigger for wear from the firing pin contact. Replace trigger if edges are excessively rounded.

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Accles & Shelvoke provide a comprehensive service and repair facility where customers can have their CASH tool serviced by our highly experienced and trained engineers. This service is generally open to UK customers. Overseas customers are advised to contact their local distributor.

- ▶ A quotation will be provided on inspection of the return of the tool, itemising service charges and replacement parts required.
- ▶ The service involves the tool being stripped, cleaned and reassembled with the replacement parts quoted to return the tool back to good working order.

Customers are advised to contact Accles & Shelvoke direct on +44(0)121 313 3564 to make arrangements to return the tool for service and repair.

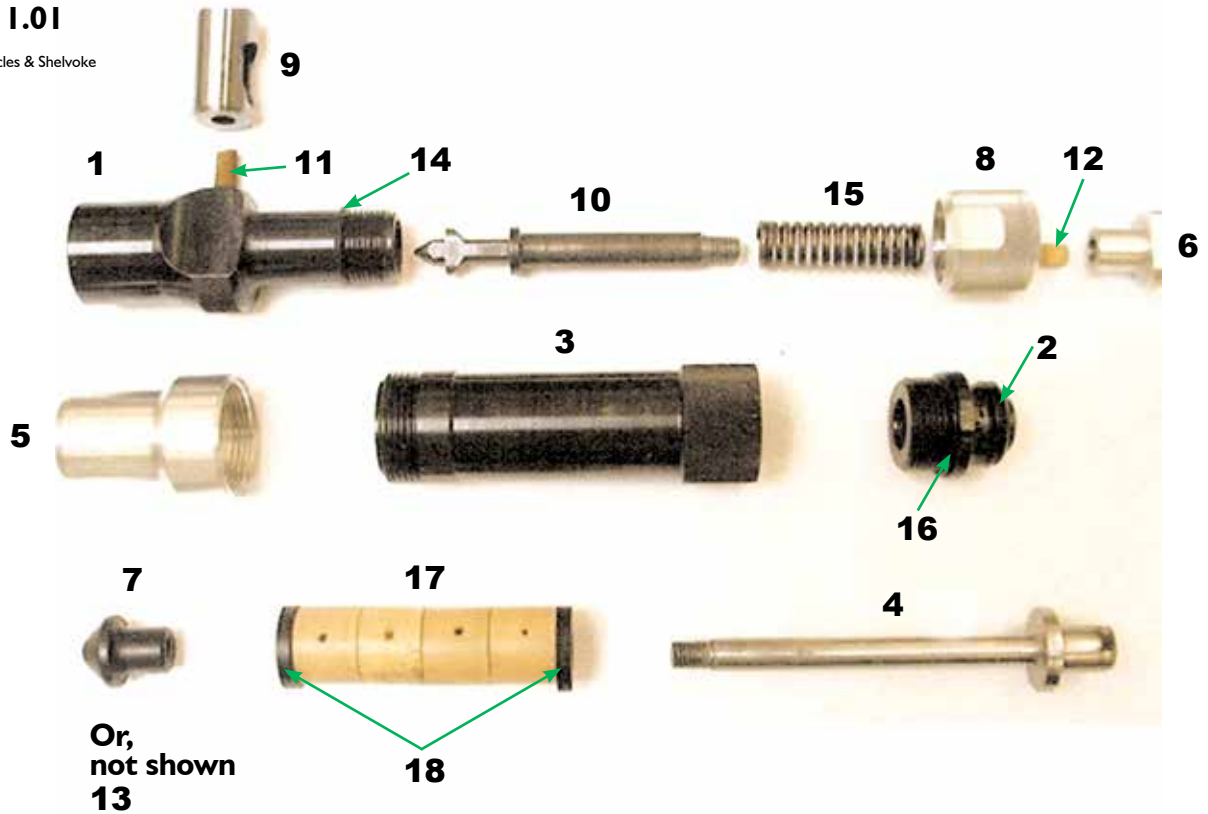
CASH® Small Animal Tool SPARE PARTS LIST AND DIAGRAM

ONLY EVER USE GENUINE ACCLES & SHELVOKE REPLACEMENT PARTS. NOT USING GENUINE PARTS MAY LEAD TO PREMATURE COMPONENT AND TOOL FAILURE, WHICH COULD ENDANGER THE OPERATOR AND THOSE IN THE IMMEDIATE VICINITY. IT WILL ALSO INVALIDATE OUR ORIGINAL EQUIPMENT WARRANTY.

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Fig. 11.01

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ITEM NO.	PART DESCRIPTION	QTY PER SET	SPARE PART BY PRODUCT CODE	
				CPK200
1	Breech Cap	1		CPK221
2	Breech	1		CPK222
3	Barrel	1		CPK223
4	Bolt	1		CPK224
5	Muzzle	1		CPK225
6	Pull	1		CPK226
7	Concussion Head (Convex)	1		CPK227
8	Spring Cap	1		CPK228
9	Trigger	1		CPK229
10	Firing Pin	1		CPK230
11	Trigger Spring	1		CPK231
12	Pull Spring	1		CPK232
13	Concussion Head (Flat)	1		CPK233
14	Cap 'O' Ring	1		5627
15	Firing Pin Spring	1		5755
16	Breech 'O' Ring	1		5695
17	Recuperator Sleeve	4		6915
18	Stop Washer	2		6055

CONTACT DETAILS, WARRANTY AND RECYCLING

Contact us today to find out how Accles & Shelvoke can help your current or future stunning requirements.

For customers based in Canada and USA:-

Accles & Shelvoke, 773 Victory Highway, West Greenwich, Rhode Island 02817, USA.

Website: www.accles-shelvoke.com **Email:** info@accles-shelvoke.com

Telephone: (1)-800-396-9497 **Fax:** (1)-401-397-5031

For all other customers:-

Accles & Shelvoke Ltd, Unit 5A, Maybrook Road, Maybrook Business Park,
Minworth, Sutton Coldfield, Birmingham, West Midlands, UK B76 1AL

Website: www.acclesandshelvoke.co.uk **Email:** info@acclesandshelvoke.co.uk

Telephone: +44 (0)121 313 3564 **Fax:** +44 (0)121 313 0282

WARRANTY

The Accles & Shelvoke product warranty policy is available upon request. The product warranty policy, like any other, is conditional.

Your tool has been assembled, tested and proof-stamped as a mark of its performance, quality and safety, and arrives with you in full working order.

Your CASH Small Animal Tool has been designed and developed over years of experience in the meat processing industry. It has proven to be a very reliable and robust tool if cleaned and maintained in accordance with this instruction manual.

In the event of any problems, please contact your local distributor.

RECYCLING

Once any component or tool has surpassed its useful life, it needs to be disposed of in a responsible manner. Most of the materials from which the Accles & Shelvoke range of stunning tools is manufactured can be recycled.

These materials must be correctly separated before they can be recycled. To do so, disassemble the tool, and sort into the groups highlighted in the table below. Use the spares list and diagram (Section 10) to help with identification.

The disassembled and sorted items may be disposed of at an appropriate recycling facility.

ITEMS / PARTS	MAIN MATERIAL	DISPOSAL
All components itemised in the 'Spare Parts List and Diagram' except those detailed below	Steel	Ferrous Metal Recycling
11, 12, 14, 16, 17, 18	Rubber	General Waste
Spent Cartridges	Brass	Non-ferrous Metal Recycling
Packaging - Cardboard	Cardboard	Cardboard recycling
Packaging - Plastic	Plastic	Plastics recycling
Other non-specified items	Various	General Waste

Manufacturer name:	Accles & Shelvoke	Machinery covered by this declaration	
Full address:	Unit 5A, Maybrook Road, Maybrook Business Park, Minworth, Sutton Coldfield, Birmingham, West Midlands, UK B76 1AL	Description:	CASH Small Animal range of tools
		Function:	For the humane killing of small animals and poultry
		Product Code of stunner supplied with instruction manual	NOTE APPLY MODEL NUMBER & MODEL DESCRIPTION LABEL HERE
Product Description			
Full list of products declared under this Certificate Number:	CPK200 CASH Small Animal Tool	Serial number:	NOTE APPLY SERIAL NUMBER LABEL HERE

The machinery conforms to all the requirements of the Machinery Directive 2006/42/EC

The machinery also conforms to the following Directives and UK Laws:	EU Council Regulation (EC) No 1099/2009 on the protection of animals at the time of killing; The Gun Barrel Proof Act 1978;
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The following standards have been used:	EN ISO 12100:2010
--	-------------------

Notified body who carried out the EC type examination or Full Quality Assurance :	Name:		
	Address:	Amtri House, Hulley Rd, Macclesfield, Cheshire, SK10 2NE. UK	
	Notified body No. :	0463	Certificate No.: AVEC 3847-1

The technical file is compiled in accordance with part A of Annex VII of the Machinery Directive 2006/42/EC

Person authorised to compile the technical file (based in the European Community):	Name:	Steve West - Manufacturing Manager
	Address:	Refer to company address above

The relevant authorised person undertakes to transmit, in response to a reasoned request by the national authorities, relevant information on the machinery. This information will be transmitted by: e-mail

Person authorised to make this declaration:	Name:	Joe Holland
	Position in company:	General Manager
	Signature:	
	Place of declaration:	Unit 5A, Maybrook Road, Maybrook Business Park, Minworth Sutton Coldfield, Birmingham, West Midlands, UK B76 1AL
	Date of declaration:	1 st May 2017