



CASH Magnum Knocker

Product Data Sheet

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- ▶ Trouble Shooting and Servicing
- ▶ Parts List



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

Manufactured by Accles & Shelvoke Ltd


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Key Features

CASH Magnum Knocker

The CASH Magnum Knocker is a cylindrical trigger operated 'non penetrating' concussion stunner which complies with religious slaughtering requirements.

PRODUCT CODE	CASH Magnum Knocker .25 5654R
CALIBRE	.25
USE ON	Cattle 
POWERLOADS	CASH .25 BLACK 4 Grain for lightweight animals CASH .25 GREEN 4.5 Grain for normal average weight animals CASH .25 RED 6 Grain for heavy weight animals

The CASH Magnum Knocker is part of the "CASH" range of stunners manufactured by Accles & Shelvoke.

CASH stunners are in use all over the world for in many varied situations from on-farm casualty slaughter to both small and large meat plants with automated production lines operating as high as 450 cattle per hour. The CASH stunner renders the animal instantly and irreversibly insensible to pain prior to slaughter, eliminating stress and suffering, improving meat quality and throughput, resulting in increased profits.

Renowned for its quality, durability and safety the CASH Magnum stunner is an extremely effective tool with the following features:

- ▶ Non penetrating bolt ensures compliance with religious slaughtering requirements
- ▶ Ergonomically designed trigger suitable for palm or finger operation
- ▶ Permits the saving of brain in whole state
- ▶ Simple to use and easy to maintain
- ▶ Low recoil design - safe to operate
- ▶ Fast to operate
- ▶ Robust solid construction

Product Diagram

CASH Magnum Knocker

FIRING PIN PULL

To cock, pull back until you feel and hear firing pin snap into cocked position.

WARNING

In cocked position, the stunner will fire if dropped or mishandled. Cock only at the point of firing.

Additional safety with the optional on/off safety. If not required can be replaced with spring cap.

TRIGGER

Press to fire stunner. Palm or finger activated.

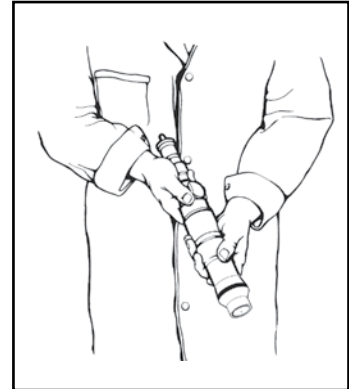
POWERLOAD

Quote batch No. on carton in event of complaint.

POWERLOAD OR CARTRIDGE CHAMBER

WARNING

At all times, never point muzzle end towards any part of body. To load and unload hold as shown below away from body.



BREECH CAP

Must be screwed down tightly or misfires will occur.

BREECH

BREECH LOCKING COVER

Note serial No. under this cover. Quote when contacting manufacturer or your CASH distributor.

POWERLOAD

Quote batch No. on carton in event of complaint.

POWERLOAD OR CARTRIDGE CHAMBER

WARNING

Never point muzzle end of barrel at anything you do not intend to shoot. Do not point in direction of body or allow hands in front or near muzzle end at anytime. Take extra care when loading or extracting powerload.

WARNING

Never fire Magnum Knocker in air.

WARNING

Do not operate without safety glasses and ear protection.



WARNING

Never immerse stunner in water to cool.

MUZZLE

RING

Retains 3 balls which hold bolt back. If bolt not "clicked" behind balls, loss of power will result.

'MUSHROOM' HEADED BOLT

Maximum bolt extension is 2 1/2" (70mm). Never hold stunner within 2 1/2" (70mm) of walls, stunning pen or anything you do not intend to shoot.

2 1/2" (70mm)
DANGER ZONE

Safe Operating Instructions

CASH Magnum Knocker

accles
&SHELVOKE

⚠️ WARNING

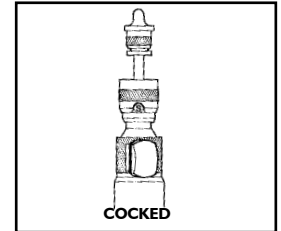
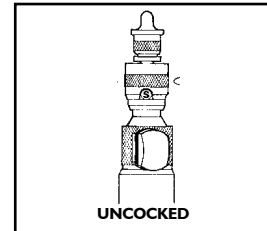
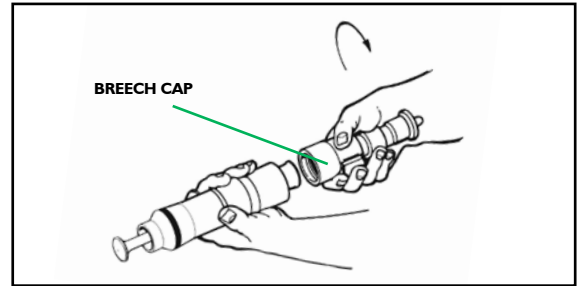
At all times never point muzzle end of barrel towards your body or any other person.

1 UNSCREW CAP

Turn breech cap counter clockwise and pull away. Make sure firing pin and trigger are uncocked. If spent (fired) powerload is in chamber, pull extractor up then push back down. The partially lifted case can then be removed using the finger and thumb (see extraction).

⚠️ WARNING

If in any doubt whether or not powerload has been fired, treat as a live powerload (see "removal of unfired powerload") If misfire has occurred, see "safe misfire removal".



2 LOADING

Before inserting powerload into chamber of breech, make sure bolt is seated in muzzle, held firmly by the 3 muzzle balls. It will 'click' back into position.

⚠️ WARNING

Only use the correct grade of CASH powerload bearing the "AS" of "E" headmark.

PLEASE REFER TO POWERLOAD SELECTION TABLE SHOWN ON PAGE 1

It is a condition of Accles & Shelvoke's product liability insurance, that only CASH powerloads in CASH carton and bearing approved headmarks must be used in stunners manufactured by them. It follows therefore, that no liability whatsoever can be accepted for any claim, including injury should any other brand of powerload be used.

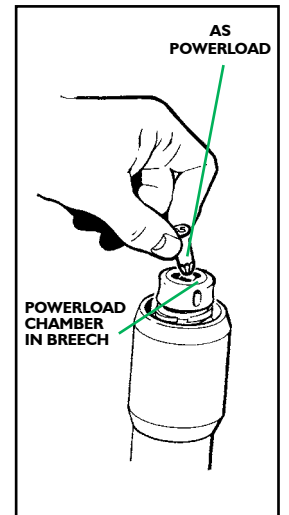
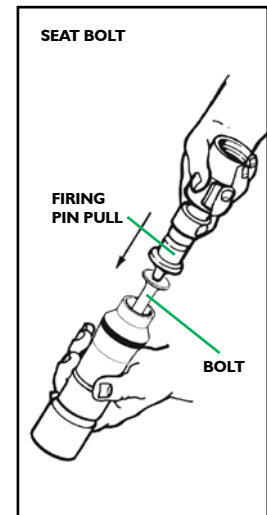
⚠️ WARNING

Where powerloads other than these are used, Accles & Shelvoke will not be responsible for:

1. The safety of the operator.
2. The humaneness of the stun.
3. The correct operation of the stunner.
4. The premature failure of parts.

⚠️ WARNING

Powerloads must be stored in cool, dry conditions. Exposure to excessive amounts of moisture may affect their performance.



⚠️ WARNING

Always use firing pin pull to seat mush room headed bolt. This will ensure that breech cap cannot be assembled when this operation is done, which if the knocker was loaded, could be danger.

Do not drive bolt back if spent powerload case is in chamber, without first raising extractor, or case will be ejected with great force.

3 REPLACE BREECH CAP

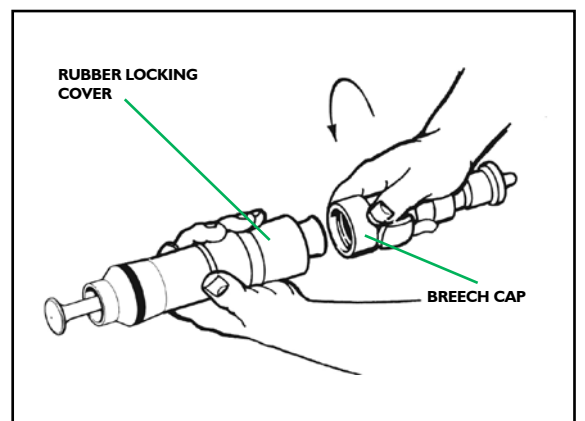
⚠️ WARNING

Make sure that the firing pin is in the down (uncocked) position (see 1. "Unscrew Cap").

Holding stunner and breech cap as shown with the muzzle end pointing in a safe direction turn breech cap clockwise until it is tightly seated in rubber locking collar.

⚠️ WARNING

If breech cap is not tightly seated, misfires may occur.

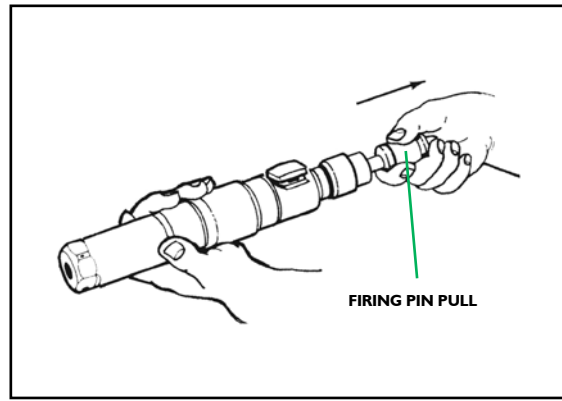


4 MAKING READY FOR FIRING

Immediately before firing, pull back firing pin pull until you feel and hear firing pin snap into the cocked position.

⚠️ WARNING

When the Magnum Stunner is in the cocked position, it is ready to fire and will fire if dropped or mishandled. Treat this stunner as you would any firearm. Keep fingers or palm pressure off trigger until immediately before firing.

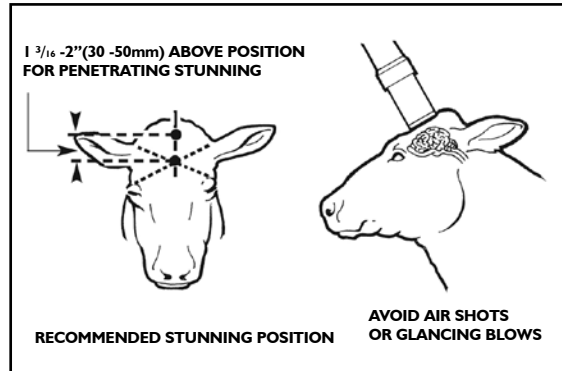


5 FIRE

⚠️ WARNING

Never leave a loaded stunner unattended (see removal of unfired powerload).

Place muzzle firmly on animal's head in the recommended position shown opposite. The position for percussion stunning being 1.3/16" to 2" (30-50mm) above that recommended for penetrating stunners. Press trigger to fire - the action of positioning should be smooth, fluid and accurate with firing immediate with the minimum delay. Do not attempt to fire whilst animal is moving its its head.

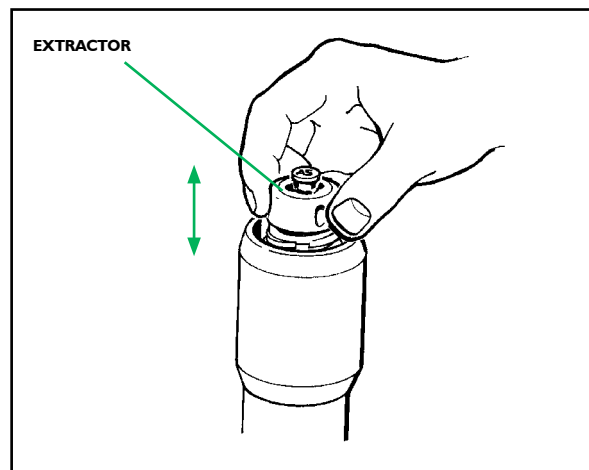


6 EXTRACTION

Turn breech cap counter clockwise and pull away (see 1). Pull extractor up and then push back down. The partially lifted spent case can then be removed using finger and thumb. Place firing pin pull against mushroom head of bolt and push quickly and firmly, to seat it behind the 3 balls under the retaining ring.

REMOVAL OF UNFIRED POWERLOAD

It is sometimes necessary to remove an unfired powerload (live) from the chamber at the end of a shift or if the stunner is to be left unattended. Follow instruction as per 'extraction' above, but taking great care to handle powerload gently and to return it to its container. **DO NOT EJECT BY RETURNING BOLT.**



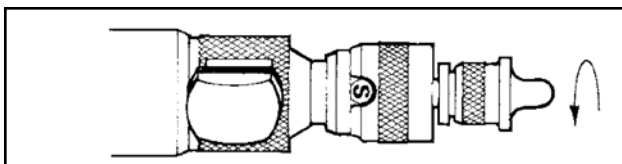
⚠️ WARNING

If unfired powerload is stuck in chamber or extractor fails to operate, do not attempt to remove using a knife or similar tool - return stunner with breech cap separate to maintenance department, warning them that an unfired (live) powerload is stuck in the chamber.

⚠️ WARNING

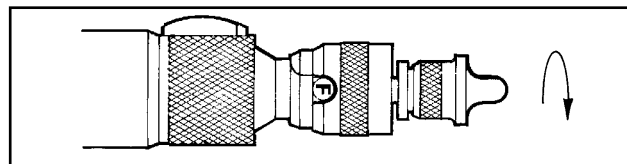
SAFE MISFIRE REMOVAL. If stunner fails to fire, a delayed firing may occur during or after extraction. Keep muzzle end of stunner away from your body or any other person. Wait 30 seconds, unload carefully avoiding exposure to breech and dispose of load in metal container filled with water. Do not attempt to re-use misfired load. Powerloads fire by crushing head, so do not crush, prise or strike or use excessive force. Always wear safety glasses and ear protection.

OPTIONAL ON/OFF SAFETY This additional safety feature can be fitted in place of the spring cap. Item No 29.



'S' - SAFETY

Turn safety counter clockwise and the 'S' can be seen in the cut-out.



'F' - FIRE

Turn safety clockwise until it stops turning and the 'F' can be seen in the cut-out.

Guidance on daily and weekly cleaning and consumable parts maintenance.

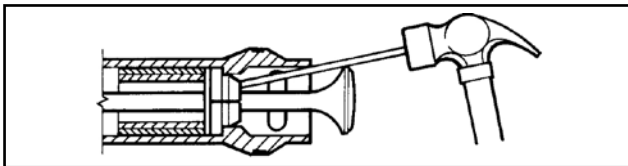
DO NOT ATTEMPT TO USE THESE STUNNERS UNTIL YOU HAVE READ AND UNDERSTOOD BOTH OPERATING AND MAINTENANCE INSTRUCTIONS



WARNING For test firing or the removal of unfired powerloads, always wear safety glasses and ear protection. Before ANY action, check to see that powerload has not been left in chamber.

Cleaning - Daily

- (1) Unscrew breech cap from breech and ensure that stunner is not loaded (see 1 “unscrew cap”, page 3).
- (2) Unscrew breech anti-clockwise and remove from muzzle.
- (3) Clean inside breech with a rag soaked in Young’s 303 fluid or similar, and with steel brush end of cleaning tool. Finally, wipe out with a clean rag.
- (4) Remove split buffer, packing ring, split thrust collar from muzzle and bolt and withdraw bolt from muzzle. If cleaning daily when stunner still warm before powder solidifies, packing ring, lock washer and split thrust collar should be freed by a sharp tap on the threaded end of the muzzle onto a wooden or plastic surface, after the split buffer is removed from the bolt, if not, tap out using a soft metal rod as shown below.



- (5) Clean all parts as detailed for 3 above, replacing buffer and/or lock washer if worn.

RE-ASSEMBLY

Examine breech and muzzle for cracks around threads and replace if found. Wipe all steel parts with an oily rag.

Cleaning Tools

ITEM NO.	PART NO.	DESCRIPTION	NO PER SET
1	5644	Cleaner assembly	1
2	5645	Steel cleaner brush	1
3	5646	Brass cleaner brush	1
4	5647	Cleaner handle	1
5	4187	Special CASH Pistol Oil	1
6	4192	“Copaslip” thread grease	1
7	6076	Youngs 303 fluid	1

Please note items 1-4 are included with the Stunner when purchased, items 5-7 are additional extras (last three are all extras on all the stunners)

Cleaning - Weekly

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

Remove breech cover and replace if worn or split.

Note! if breech cover is ballooning out or if operator feels a sting on his hand when firing stunner, remove cover and inspect for cracks and replace any cracked parts before further use.

INSPECT BOLT RETENTION

Mushroom headed bolt is held fully back by 3 balls under the retaining ring. The bolt will ‘click’ back retained by the balls and these and the retaining ring must be cleaned and replaced as necessary. Remove any build up of carbon from bolt piston with a wire wheel or brush and wipe with a clean rag. Remove extractor for cleaning by depressing extractor plunger and sliding extractor over plunger. The area under the extractor as well as the breech threads should be cleaned with brass brush end of cleaning tool. To disassemble breech cap for cleaning or part replacement, hold in soft jawed vice and unscrew spring cap or the optional on/off safety, if fitted, using a wrench on the flats. Pull firing pin assembly out of breech cap which will also release trigger and trigger spring. Inspect firing pin for rounded edges from trigger contact and replace if wear is half of trigger contact. Inspect firing pin spring and replace if broken or collapsed. Inspect trigger for firing pin contact and replace if wear is half of firing pin contact. Replace trigger spring if collapsed. Trigger spring must be strong enough to push firing pin away from cartridge and to allow trigger to lift. In order to replace firing pin, firing pin spring or spring cap or optional on/off safety, unscrew pull from pull bush. Push pull bush down to release pull split bush, allowing all components to slide off. Rubber pull spring should be replaced if collapsed or damaged.

RE-ASSEMBLY

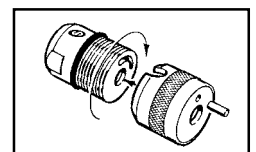
Wipe all steel parts with an oily rag. Use only ‘Cash’ pistol oil. Do not put oil in powerload chamber, as this can cause misfires.

TO DIS-ASSEMBLE OPTIONAL ON/OFF SAFETY

Turn clockwise to “fire” (F) position and drive safety stop pin down through safety cap inner with a pin punch. Then unscrew safety cap outer anti-clockwise to remove. Clean with Young’s 303 fluid and brass brush end of cleaning tool. Inspect for cracks or stripped threads and replace if found. Replace safety ‘O’ ring if broken or frayed.

RE-ASSEMBLY OF OPTIONAL ON/OFF SAFETY

Lightly oil or grease threads with Copaslip. Align the small dimple on the end face of the safety cap inner with the cut out in the lower edge of the safety cap outer - this will ensure that the 3-start thread commences location in the correct position so that when screwed together clockwise, the cut out on safety cap



outer aligns precisely with the ‘F’ Fire mark on the inner cap, which should be fully visible. Insert safety stop pin and drive flush with top of safety cap outer. If pin driven too far, the assembly will not turn. Re-assemble on firing pin assembly and screw down tight onto breech cap, using wrench on flats of safety inner. If outer safety cap is used, screw or unscrew safety, you will break safety stop pin.

EXTRACTION OF STUCK, UNFIRED OR MISFIRED POWERLOAD

⚠ WARNING

Great care must be taken in removing unfired or misfired powerloads stuck in the chamber

Follow instructions set out below:

- (1) Unscrew cap (Refer to 1. Remove Cap instructions on page 3)
- (2) Unscrew muzzle from breech.
- (3) Grip breech in soft jawed vice and gently push powerload out using a $\frac{3}{16}$ " rod (4.7mm) through the chamber.

⚠ WARNING

Always wear safety glasses and ear protection for this operation.

MISFIRES CAN BE CAUSED BY:

- (1) Water or oil contaminated powerloads.
- (2) Weak or broken firing pin spring.
- (3) Worn, damaged or bent firing pin.
- (4) Breech cap not screwed down onto breech.
- (5) Breech cap assembly and/or breech locking cover required cleaning.
- (6) Spring cap or optional safety not screwed down onto breech cap.
- (7) Oil in powerload chamber.

BOLT STICKING IN ANIMAL'S HEAD AND/OR STUNNER POWER LOSS

- (1) Ensure that the stunner is being used with correct powerload for type and weight of animal to be stunned.
- (2) Bolt not being retained fully back in muzzle – missing balls, weak retaining ring.
- (3) Buffer worn requiring replacement.
- (4) Stunner requires cleaning in breech, muzzle and on bolt piston.

If in doubt and you require further advice and information please contact Accles & Shelvoke direct or you're local Distributor.

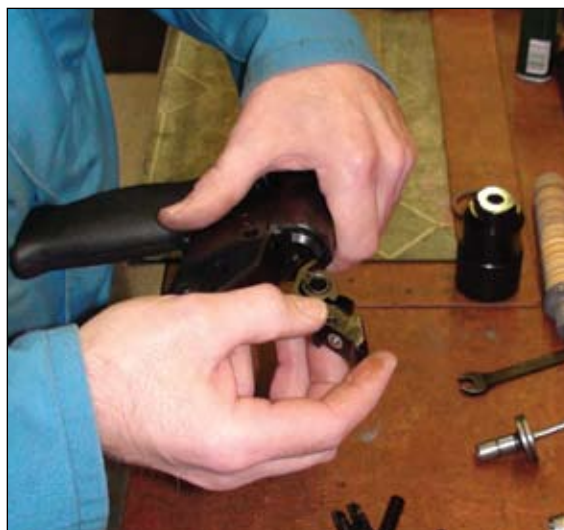
Accles & Shelvoke Ltd, Selco Way, Off First Avenue, Minworth Industrial Estate, Sutton Coldfield, West Midlands, B76 1BA ENGLAND

Tel: +44 (0) 121 313 4567 Fax: +44 (0) 121 313 4569

Servicing

Accles & Shelvoke provide a comprehensive service and repair facility where customers can have their CASH stunner serviced by our highly trained engineers:

- ▶ The service involves the tool being stripped, cleaned and re-assembled bringing the stunner back to working order.
- ▶ Service and repair facility is generally open to UK customers, overseas customers are advised to contact their local distributor.
- ▶ Customers are advised to contact Accles & Shelvoke direct on + 44 (0) 121 313 4567 to make arrangements to return the tool for service or repair.
- ▶ Quotation will be provided on inspection of the tool, listing service charges and replacement parts required.



Parts List

CASH Magnum Knocker

ITEM NO.	PART NO.	DESCRIPTION	NO. PER SET
1	5666	Muzzle	1
2	5668	Split buffer	1
3	5670	Bolt	1
4	5669	Packing ring	1
5	5667	Thrust collar (pairs)	1
6	4115	Lock washer	1
7	5658	Retaining ring	1
8	3042	Ball	3
9	5665R	Breech	1
10	5707	Breech cap	1
11	5627	Small O Ring	1
12	5628	Trigger spring	1
13	5697	Firing pin spring	1
14	5702	Pull	1
15	5693	Safety cap inner	1
16	5695	Safety O Ring	1
17	5692	Safety cap outer	1
18	3036	Safety stop pin	1
18a	5691	Complete safety assembly	1
19	5690	Firing pin	1
20	5689	Trigger	1
21	5636	Extractor plunger	1
22	5637	Plunger spring	1
23	5638R	Extractor .25 caliber	1
24	5640	Pull bush	1
25	5641	Pull split bush (pair)	1
26	5642	Pull lock "O" ring	1
27	5710	Pull spring	1
28	5664	Breech locking cover	1
29	5696	Spring cap	1

NOTE!

Item 18a Complete safety assembly is an optional extra.
The tool as standard is fitted with the Spring Cap item 29.

