



CASH 8000 Model Stunners

Cowpuncher .22 and Bulldozer .25 Product Data Sheet

- ▶ Key Features
- ▶ Product Diagram
- ▶ Safe Operating Instructions
- ▶ Cleaning and Maintenance
- ▶ 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

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 Web: www.acclesandshelvoke.co.uk

Key Features

CASH 8000 Model Stunners

Cowpuncher .22 and Bulldozer .25

The CASH 8000 model stunners are contact fire stunners designed specifically for cattle, featuring an extremely robust cylindrical design with positive 'no fire' safety system and automatic bolt return.

PRODUCT CODE	Cowpuncher .22 caliber 5413R Bulldozer .25 caliber 5414R
CALIBRE	.22 .25
USE ON	Cattle 
POWERLOADS	Use in .22 Cowpuncher: CASH .22 GREEN 3 Grain for heavy animals and bulls CASH .22 RED 4 Grain for very heavy cattle and bulls
	Use in .25 Bulldozer: CASH .25 BLACK 4 Grain for very heavy cattle and bulls

The CASH 8000 model stunners are part of the "CASH" range of stunners manufactured by Accles & Shelvoke.

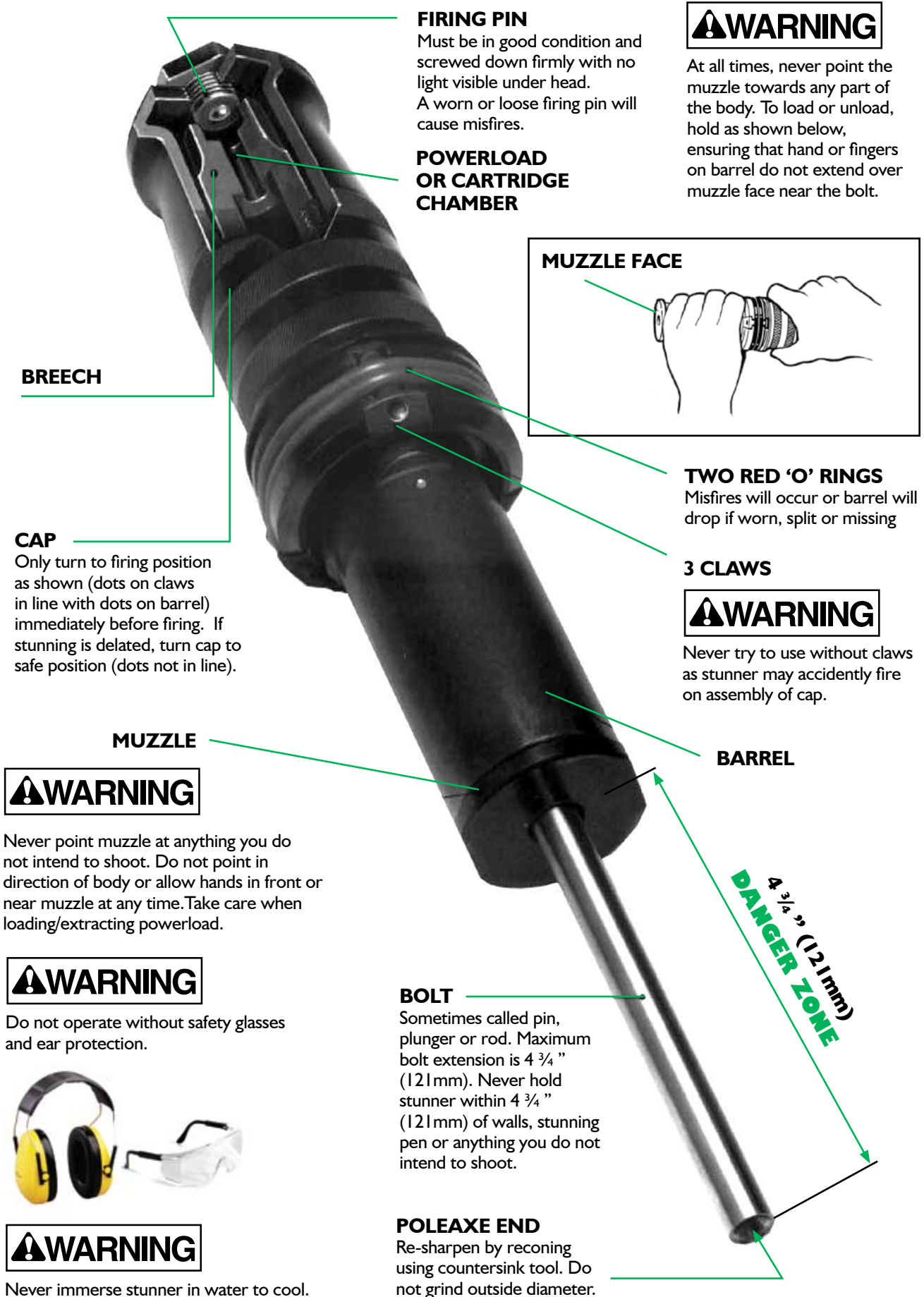
CASH stunners are in use all over the world for in many varied situations from on-farm casualty slaughter to both small and large meat plants with automated production lines operating as high as 450 cattle per hour. The CASH stunner renders the animal instantly and irreversibly insensible to pain prior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

Renowned for their quality, durability and safety the CASH 8000 Model Stunners are extremely effective tools with the following features:

- ▶ Contact fire, when stunner is tapped against animal's head it fires, giving guaranteed full bolt penetration
- ▶ Simple and easy to maintain due to minimal moving parts – no springs, trigger, sear rod extractor or other moving parts
- ▶ Extremely robust cylindrical design with positive 'no fire' safety system and automatic bolt return
- ▶ Easy and comfortable to use
- ▶ Also available with long handle for deep or awkward stunning pen

Product Diagram

CASH 8000 Model Stunners Cowpuncher .22 and Bulldozer .25



FIRING PIN

Must be in good condition and screwed down firmly with no light visible under head. A worn or loose firing pin will cause misfires.

POWERLOAD OR CARTRIDGE CHAMBER

WARNING

At all times, never point the muzzle towards any part of the body. To load or unload, hold as shown below, ensuring that hand or fingers on barrel do not extend over muzzle face near the bolt.

MUZZLE FACE

BREECH

CAP

Only turn to firing position as shown (dots on claws in line with dots on barrel) immediately before firing. If stunning is delayed, turn cap to safe position (dots not in line).

TWO RED 'O' RINGS

Misfires will occur or barrel will drop if worn, split or missing

3 CLAWS

WARNING

Never try to use without claws as stunner may accidentally fire on assembly of cap.

MUZZLE

WARNING

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

WARNING

Do not operate without safety glasses and ear protection.



WARNING

Never immerse stunner in water to cool.

BARREL

BOLT

Sometimes called pin, plunger or rod. Maximum bolt extension is 4 3/4" (121mm). Never hold stunner within 4 3/4" (121mm) of walls, stunning pen or anything you do not intend to shoot.

4 3/4" (121mm)
DANGER ZONE

POLEAXE END

Re-sharpen by re-coning using countersink tool. Do not grind outside diameter.

Safe Operating Instructions

CASH 8000 Model Stunners

Cowpuncher .22 and Bulldozer .25

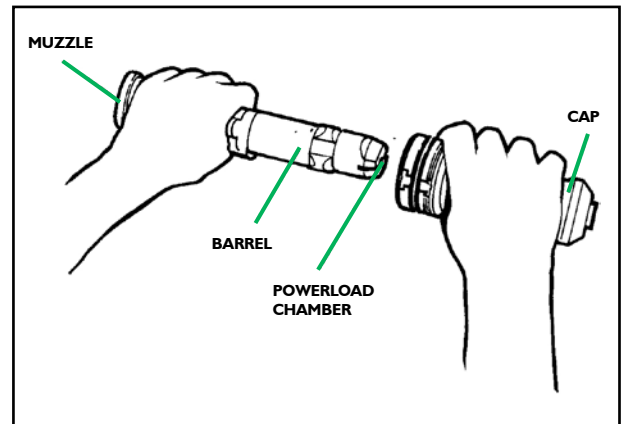
accles
&SHELVOKE

WARNING

At all times never point muzzle end of barrel towards your body or any other person. Keep hands gripping barrel away from front face of the muzzle, clear of the bolt.

1 REMOVE CAP

Twist and pull cap from barrel. If spent (fired) powerload is in chamber do not attempt to remove it by prising out with knife etc. Only use extractor tool supplied. If in doubt whether or not powerload has been fired treat as 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 fully retracted as shown. If not, does not use as stunning power will be reduced. (See cleaning daily to rectify).

WARNING

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

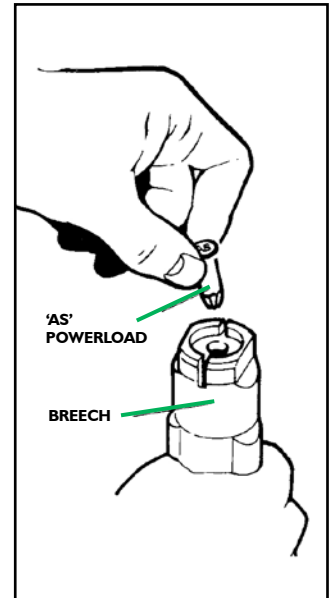
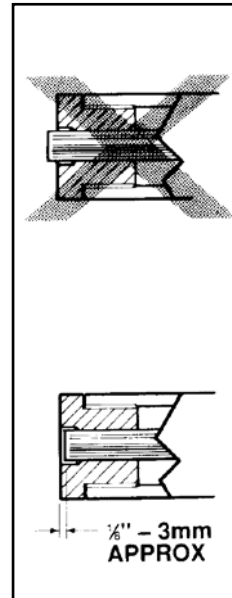
PLEASE REFER TO POWERLOAD SELECTION TABLE SHOWN ON PAGE 1

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

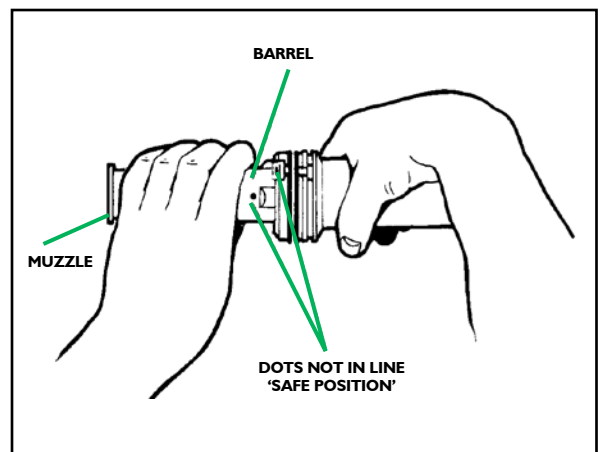
Powerloads must be stored in cool, dry conditions. Exposure to excessive amounts of moisture may affect their performance.

3 REPLACE CAP

Make sure when assembling the cap that the breech is not tipped downwards, as the powerload may drop out. Once assembled this cannot happen and stunner may be used in any position.

WARNING

Providing dots "NOT IN LINE" stunner is in safe position. Only twist barrel to firing position "DOTS IN LINE" immediately before firing.

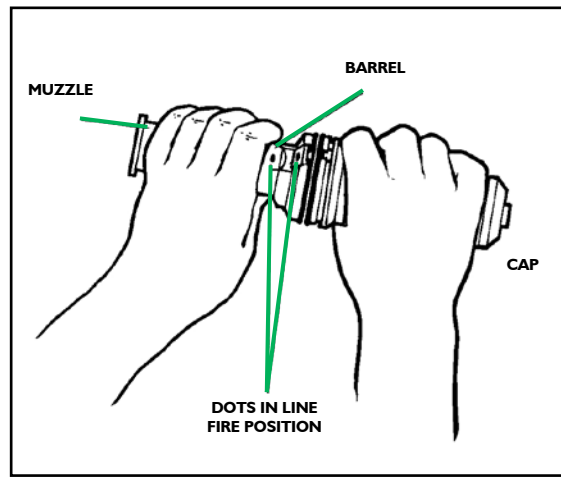


⚠️WARNING

When the Cowpuncher/Bulldozer is in the fire position, the stunner is ready to fire and will fire if dropped or mishandled. Treat this stunner as you would any firearm.

4 MAKING READY FOR FIRING

Immediately before firing, twist barrel until dots on barrel line up with dots on claws, taking care not to push cap forward into the fired position. If stun aborted, turn back to safe position (dots not in line).



⚠️WARNING

As the action of firing the contact fire Cowpuncher/Bulldozer is different from trigger operated stunners, we would recommend that operators practice the action of firing, described above, without loading a powerload. Then progress to actually loading, firing and extracting on dead heads, before attempting to stun live cattle.

5 FIRE

By tapping at a point where the bolt penetration is required as indicated opposite. A firm tap is required from about 3-4 inches (76-102mm).

⚠️WARNING

Never leave a loaded stunner unattended.



REMOVAL OF UNFIRED POWERLOAD

Carefully remove cap and tip breech downwards so that live powerload drops into powerload container.

⚠️WARNING

Do not use extractor tool to remove unfired powerload. If stuck, then chamber in breech is damaged and stunner should be returned to Maintenance Department. (See under cleaning and maintenance instructions.) Do not reassemble cap.

6 EXTRACTION

Immediately after firing, the action of pulling the cap from the barrel extracts the spent case from the chamber, it may eject into the cap. In the event of the base not being automatically extracted, the extractor tool can be used. If extraction is continually bad, return stunner to maintenance department for repair.

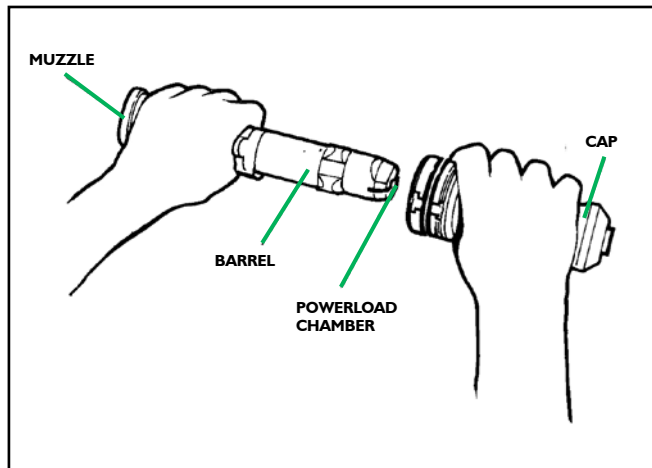
⚠️WARNING

SAFE MISFIRE REMOVAL.

If stunner fails to fire, a delayed firing may occur during and even after cap removal. Keep stunner muzzle away from your body or any other person, wait 30 seconds before removing cap. Unload by tipping breech downwards so that powerload drops into metal container filled with water. Do not attempt to reuse misfired load. Powerloads fire by crushing head, so do not crush, prise or strike or use excessive force.

⚠️WARNING

ALWAYS WEAR SAFETY GLASSES AND EAR PROTECTION.



NOTE!

Never use knife or other sharp implement to remove powerload as this may result in chamber damage.



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) Remove cap from barrel and ensure that stunner is not loaded. SEE 1 - "REMOVE CAP". Page 3
- (2) Unscrew Muzzle from Barrel - **IMPORTANT NOTE** - If the Muzzle is too tight and will not unscrew, grip the Barrel around the lugs in a vice fitted with soft jaws and unscrew the Muzzle with a suitable spanner. **DO NOT GRIP THE BARREL ASSEMBLY BY THE BREECH BLOCK, AS THIS ACTION COULD RESULT IN THE BREECH BLOCK UNSCREWING.**
- (3) Withdraw the bolt assembly from the Barrel. It should always be possible to remove the bolt from the barrel by hand. If not, grip the barrel in a vice fitted with soft jaws and drive the bolt forward with a rod through the chamber, taking care not to damage the chamber.
- (4) Wipe inside of barrel with barrel brush cleaner to remove the day's soft powder and sludge. Carefully insert breech cleaner as shown opposite. Note, these operations are best done when the barrel is still warm after use and before powder solidifies. Young's 303 fluid can be used if powder is hard and difficult to remove.
- (5) Remove washers and recuperator sleeves from the bolt and with wire wheel or brush, remove carbon from bolt, wiping with a lightly oiled rag when clean. Wipe any carbon sludge from recuperator sleeves and washers and examine for wear.

EXAMINE PLASTIC WASHERS AND RECUPERATOR SLEEVES

- (A) Stop washer - colour red, item No. 10.**
There are three of these washers fitted at the poleaxe end of the bolt, against the muzzle piece. These protect the recuperator sleeves and as soon as they show signs of wear on either the inside or outside diameter, they should be replaced. Otherwise rapid wear on the recuperator sleeves will result and lack of power will soon become apparent.
- (B) Flange washer - colour blue, item No. 11.**
This washer is placed behind the last recuperator sleeve against the bolt flange. Again, as soon as this shows wear on the outside edge it should be replaced.
- (C) Recuperator sleeves, item No. 15.**
A full set comprises 8 sleeves. Number 1 and number 8 on the bolt will be the first to show signs of wear. They should be moved into a middle position, so that they all wear evenly. Once they become badly worn and start to fray, they should be replaced. A full set should last approximately 5000 shots, provided stop and flange washers are kept in good condition.

DO NOT NEGLECT THE WASHERS OR SLEEVES OTHERWISE STUNNING POWER WILL BE LOST AND THE BOLT WILL STICK IN THE HEAD.

- (D) Lock washer, item No. 12.**
Replace if muzzle unscrews in use.

RE-ASSEMBLE

Wipe all steel parts with an oily rag. **DO NOT OVER OIL** and use only CASH pistol oil, or a very light machine oil. **DO NOT PUT OIL INTO THE POWERLOAD CHAMBER** as this can cause misfiring.

Cleaning - Weekly

TO BE CARRIED OUT ONCE A WEEK, IN ADDITION TO DAILY CLEANING.

The enlarged diameter inside the barrel at the breech end, described as the 'undercut', must be kept from filling with powder, otherwise bolt return and stunning power will be affected. As well as cleaning the undercut, the undercut cleaner, item No. 20, will clean the front face of the breech block at the same time.

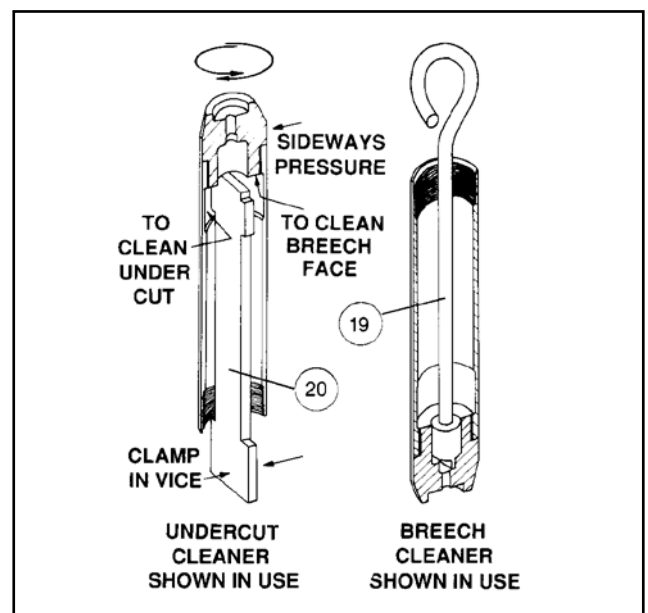
- (1) Grip the undercut cleaner in a vice in a vertical position (see diagram below).
- (2) Slide the barrel down the cleaner until the breech face contacts.
- (3) Apply sideways pressure to the barrel so that the cleaner enters the undercut. Maintaining this pressure, rotate the barrel backwards and forwards two or three times. Turn the barrel through 90 degrees and repeat. Continue this process until the undercut has been cleaned completely.

CHECK THE VENT HOLE IS NOT BLOCKED.

Cleaning Tools

ITEM NO.	PART NO.	DESCRIPTION	NO PER SET
1	5411	Breech Cleaner	1
2	5357	Undercut Cleaner	1
3	4291	Muzzle Spanner	1
4	5373	Extractor Tool	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)



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) Remove cap from barrel (Refer to 1. REMOVE CAP instructions on page 3).
- (2) Unscrew muzzle and remove bolt assembly.
- (3) Grip barrel in soft jaws in a vice and gently push powerload out, using a suitable rod $\frac{3}{16}$ " (4.7mm) through the chamber.

WARNING

Always wear safety glasses and ear protection for this operation.

Extraction should be automatic and the use of the extractor tool on fired powerloads should be rare. Check mouth of chamber for damage or burrs. Carefully remove, using a suitable tool. Do not enlarge chamber. If chamber is badly damaged or eroded, fit new Breech block.

MISFIRES CAN BE CAUSED BY:

- (1) Water or oil contaminated powerloads.
- (2) Cap not turned to "fire" position.
- (3) Stunner not tapped against animal's head with sufficient force. (Refer to page 4)
- (4) Bronze Balls missing from cap.
- (5) Rings worn or weak.
- (6) Cap requires cleaning.
- (7) Firing Pin worn, damaged or unscrewed. (Refer to Page 2)

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, refer to data table on page 1.
- (2) Barrel, breech or bolt requires cleaning, including undercut.
- (3) Sleeves and/or washers require replacement
- (4) Bolt bent or damaged or re-sharpened by grinding outside diameter.

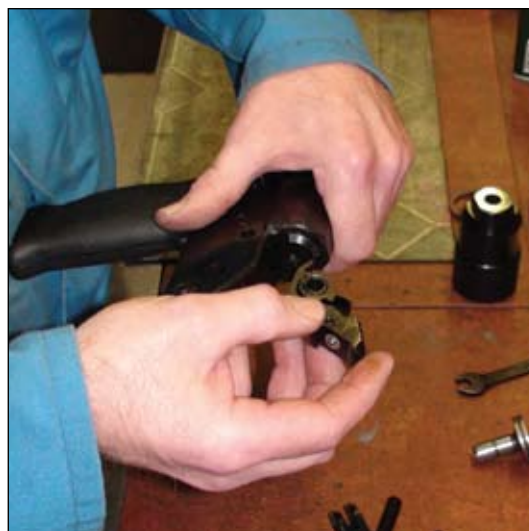
If in doubt and you require further advice and information please contact Accles & Shelvoke direct or you're local Distributor.

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.

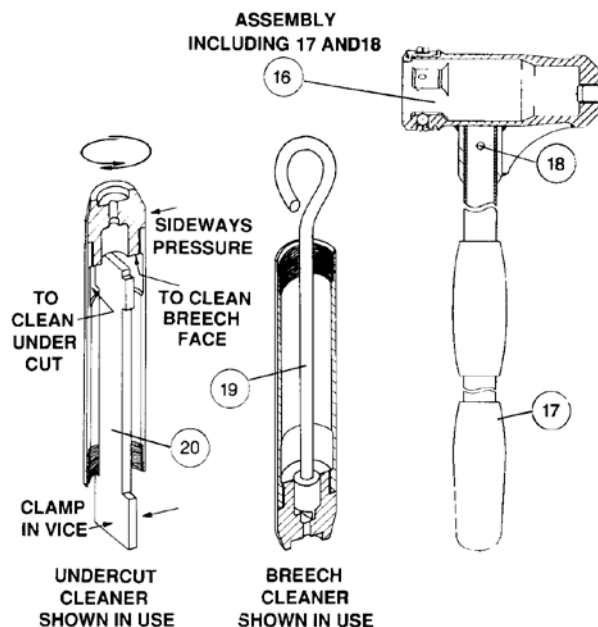


Parts List

CASH 8000 Model Stunners

COWPUNCHER .22 CAL

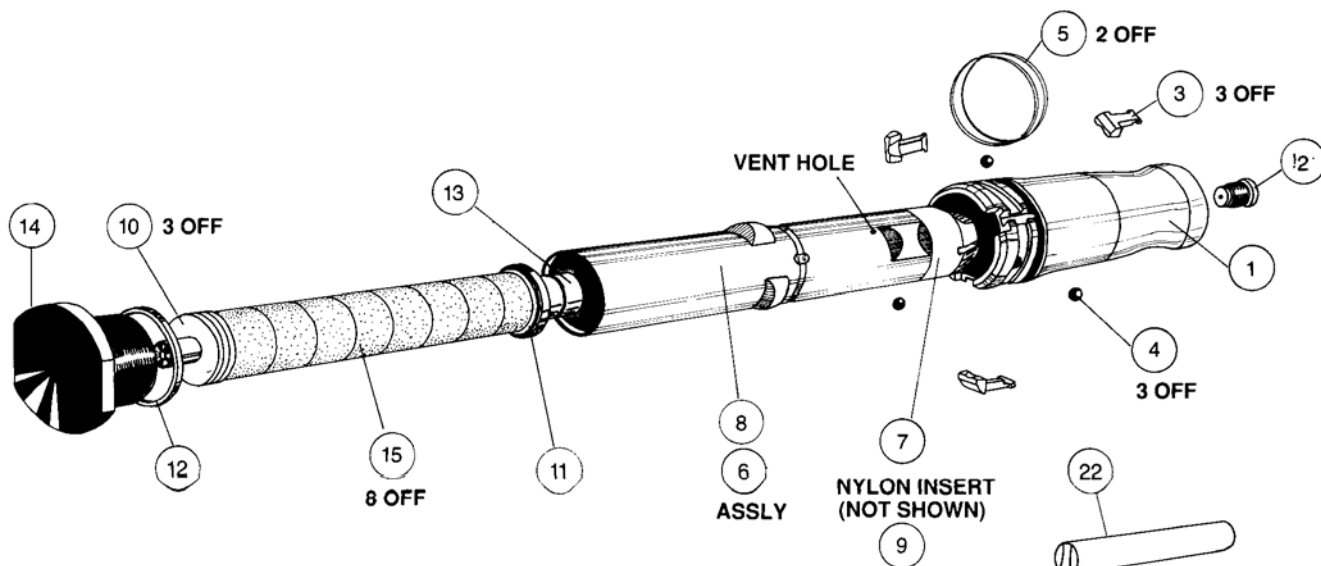
ITEM NO.	PART NO.	DESCRIPTION	NO. PER SET
1	5385	Cap Assembly	1
2	5389	Firing Pin	1
3	5390	Claw	3
4	5391	Ball	3
5	5392	'O' Rings	2
6	5395	Barrel assembly	1
7	5399	Breech block	1
8	5401	Barrel	1
9	5402	Nylon Insert (NOT SHOWN)	4
10	5369	Stop washer	3
11	5403	Flange washer	1
12	5342	Lock washer	1
13	5405	Bolt	1
14	5406	Muzzle	1
15	5376	Recuperator sleeve	8
16	5407	Long handle cap assy	1
17	5348	Long handle only	1
18	4277	Dowel	1
19	5411	Breech cleaner	1
20	5357	'U' Cut cleaner	1
21	4291	Spanner (NOT SHOWN)	1
22	5373	Extractor tool	1



BULLDOZER .25 CAL

ITEM NO.	PART NO.	DESCRIPTION	NO. PER SET
1	5386	Cap Assembly	1
6	5396	Barrel assembly	1
7	5400	Breech block	1
16	5408	Long handle cap assy	1

ALL OTHER PARTS ARE THE SAME AS THE COWPUNCHER



NOTE! DO NOT USE WITHOUT CLAWS (PT. NO. 5390)
FITTED FOR SAFETY REASONS