# MAGNETIC POWDER-CHECK

## CONGRATULATIONS ON YOUR PURCHASE OF YOUR NEW MAGNETIC POWDER-CHECK

## READ FIRST:

Read the following instructions carefully before using this product!

- Reloading and handling of ammunition is inherently dangerous. Caution must always be taken, and eye and ear protection always used! YOU are always responsible for you own safety!
- While a Powder-Check is a helpful safety measure to include on your reloading press, it cannot replace common sense or the need to pay attention while you reload!
- Your DAA Magnetic Powder-Check is activated off the upper rim of your case. Its important that you do not feed longer cases through your press as that will push the plunger higher than intended and force the plunger flange past the micro switch. If this happens, do not force the arm of the switch back, but rather click the electrical box assembly off, raise the plunger, than assemble the box with micro switch arm above the plunger flange as before.
- Do not use excessive force when tightening up the die-nut.
- Liability is limited only to the replacement of this product or parts thereof. No additional warranties are expressed or implied by the manufacturer or the distributors.


## GENERAL INSTRUCTIONS

The Powder-Check is designed to be assembled in the station immediately after your powder drop on your progressive reloader. The DAA Magnetic Powder-Check can be used on any progressive reloader which has a 7/8-14 station available for it.

In some cases you may need to combine your Seating and Crimping actions into one station, to free up space for the Powder-Check. This can be easily done for most calibers using a 2-in-1 Seat/Crimp die, also available from Double-Alpha.

The DAA Magnetic Powder-Check is preassembled for reloading pistol ammunition, and is suitable for calibers from 9mm and up. Should you wish to use it for Rifle ammunition, follow these steps:

**Convert Powder-Check for Rifle:**

1. Remove the electronic box, by pulling back on the Electronic Box Dismateling Tab, and pushing it up and off its bracket
2. Make sure the set crew of the Magnet Holder is loose, and slide the magnet up and off the rod.
3. Remove the pistol plunger and replace it with the shorter Rifle Plunger.
4. Place the magnet on top of the Plunger's flange and insert the rod down from above, with the shoe on the upper end! The Vertical Rod is assembled upside-down compared to Pistol use.
5. Click the Electronic Box back into pace and proceed to adjust the height of the die and magnet in the same way it is done for pistol setup.

We appreciate your choosing our product. Every effort has been made to ensure your full satisfaction and we welcome your feedback. Contact us at:

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## INSTALLATION INSTRUCTIONS

The installation is a two-step process: first, you must set the correct height of the threaded die, so that the rim of the case lifts the Plunger's top flange high enough to activate the micro switch. Then, you position the Magnet Holder in the correct position to stop the Alarm from sounding.

First, place a properly sized and correctly charged case in the shell plate station you plan to use for your powder-check. Bring the tool head down (or shell plate up) to the end of the stroke.

Thread the die into the station (back the Die Lock Nut up first, close to the top of the Die). When doing this, you can loosen the Bracket Lock Screw enough so that you can turn the threaded die without having to turn the electronic box, which may not have room available to spin all the way around.

Keep turning the Die down until the bottom end of the Plunger makes contact with the top of the case, and the plunger starts lifting up slowly until the top of the plunger flange makes contact with the micro switch arm, and activates it. When that happens, you will hear the switch click, and the alarm will sound. Turn the Die one turn more to ensure good contact with the switch and certain activation. The alarm will beep continuously (your magnet does need to be on the vertical rod for the alarm to sound).

Position the Electronic Box so you can see the LED light, and tighten the Bracket Lock Screw and the Die Lock Nut.

Next, slide the magnet holder up (set screw must be loose), until you find the position in which the buzzer stops beeping. This will be slightly above the Sensitivity Indicator Window. Make sure the Vertical Rod still rests on the charge in the case and has not lifted up when you slide the magnet holder up.

Slowly move the magnet up and down in the area where the alarm stopped sounding. You will notice there is a "sweet-spot" of approx. 2-4mm (1/16-1/8") in which the alarm does not sound (depending on the setting of sensitivity). Try to position the magnet in the middle of that "sweet-spot", and lock the set screw to keep it in place.

**Testing:** Lower and raise the tool head with the same correctly charged case under the Powder-Check. The alarm should not sound. When you insert a case without a powder charge, or with a double-charge – the alarm will sound. Your DAA Magnetic Powder-Check is now adjusted and ready for use.

**Sensitivity Setting:** To increase the sensitivity use a 2.5mm key (not included) and turn the Sensitivity Set Screw counter-clockwise. You will notice the Indicator slide towards the "+" mark, closer to the magnet. This will reduce the acceptable error range before the alarm sounds, making the Powder Checker more sensitive.
If you find you are getting false alarms, perhaps due to powder shifting in the case, reduce the sensitivity by turning the screw clockwise. The Optimal setting may depend on the caliber and how the powder shifts in the case.

**Replacing Battery:** The Powder-Check uses a single MN11 (L1016) battery which will last a very long time with normal use, since the alarm should not sound often.
To replace it, open the two Electronic Box Cover screws to gain access to the battery. Insert the new battery with the "+" in the down position, contacting the micro switch. Make sure the battery spring (which is loose) is well positioned.