

Redline Airsoft

High Performance Airsoft Equipment

The Redline AirStock is a simple drop in kit for the newer VFC M4 bodies with the short buffer tube extension. Your gearbox shell will need to be modified to allow the air hose to be run to the rear.

Step 1: **Modify the gearbox shell**

Using a dremmel or other suitable grinder remove material as shown in figure 1 to allow the engines airline to be run out the rear of the gearbox shell. Gearbox shells with large amounts of reinforcement may require the removal of more material.

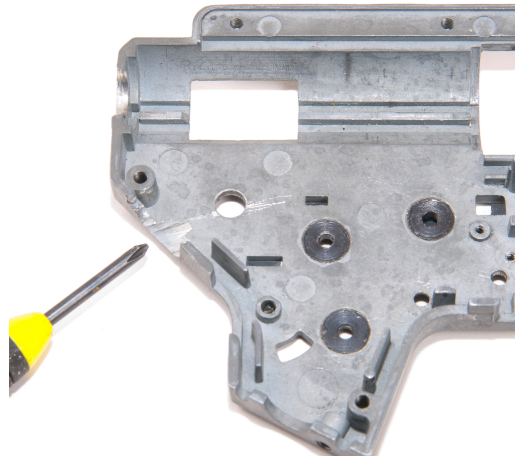


Fig-1

We highly recommend that you remove the rear section of the gearbox as shown. It makes installation of the AirStock much easier. Cutting the front section of the gearbox as shown will allow you to remove the engine for maintenance without removing the gearbox from the lower.





Fig-2

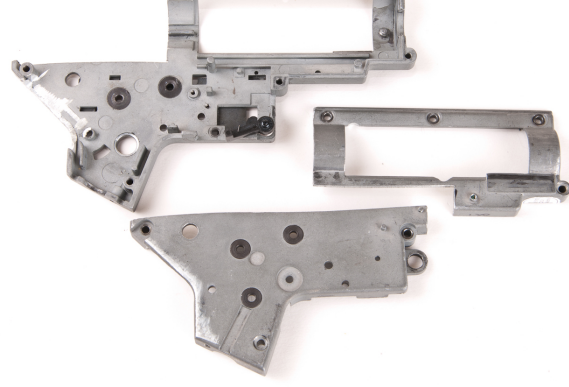


Fig-3

If you chose not to remove the rear section you will need to drill out the spring guide hole at the rear of the gearbox to 7/16ths of an inch to allow access to the AirStock mounting screw once the gearbox is installed in the lower.



Fig-4

Step 2: Prep the lower:

You must first remove the buffer tube screw nutsert from the body. (fig-4) This can be easily popped out by tapping it with a small hammer and punch. Figure 3 shows the body with the nutsert removed.





Fig-5



Fig-6

Next install the engine and gearbox shell assembly into the lower.
Running the engine air hose out of the large opening in the rear of the lower.
Make sure that the hose runs under the rear takedown pin as shown.

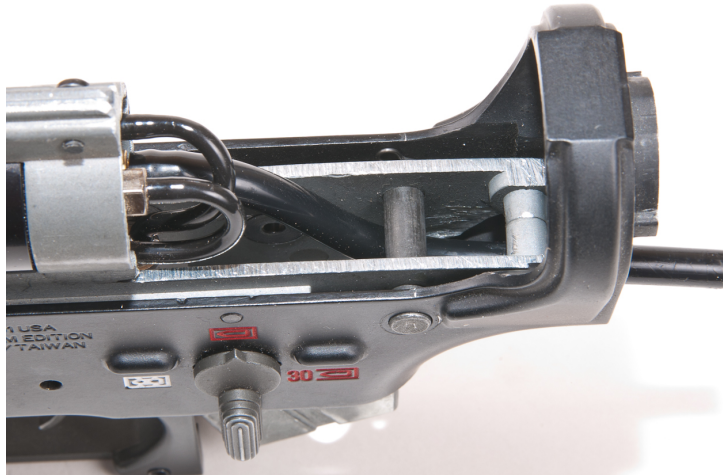


Fig-7

Step 3: Fit and cut the engine air hose:

It is important that the hose is cut exactly as described. Cutting the hose too short will result in a leak. Cutting the hose too long will result in poor regulator performance, as the hose will contact the reg piston.

Temporarily fit the sling plate over the buffer tube extension. Slide the provided thick white washer over the hose and trim the hose so it is even with the washer.



Fig-8

Step 4: Install the AirStock on the lower:

Install the sling plate onto the lower. Apply a light amount of Tech-T grease onto the end of the engine airline then slide the regulator/tank adapter assembly onto the lower.

The back side of the (upper) tank adapter is machined to fit onto the buffer tube extension and the air line fits into the small hole on the back of the (lower) regulator.

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Fig-9

Insert the flat head 3/4 inch 10-32 screw through the hole in the buffer tube extension.



Fig-10

Tighten to secure the tank adapter/regulator assembly onto the lower.



Fig-11

(Gearbox drilled but not cut)

You will have 1 left over bolt once the AirStock is fully assembled. It is not used with a standard VFC installation.

Your ECU and Battery will now need to be in the put in the hand grip. While not strictly necessary a

VFC installation.

Your FCU and Battery will now need to be in the put in the hand grip. While not strictly necessary a shorter FCU wire harness is available to allow this to be more easily accomplished.