



Anti-Lockup Unit (aka AEG Forward Assist) Documentation

unconventional-airsoft.com

<http://trigger-master.com>

The **Anti-Lockup Unit** (aka Forward Assist) is compatible with any AEG, whether MOSFET equipped or not. However, it requires skilled assembly. If in doubt, get you local Gun Tech to install for you!

WHAT THIS IS

When in semi-auto, we have all encountered the dreaded “semi lockup” problem. This happens when the firing cycle and gears are JUST in the wrong place after a shot, and the trigger is disabled — locked out!

It is fixed by putting the gun into AUTO and pulling the trigger briefly. But if your gun is locked in semi-auto or full auto is disabled, you’re kind of shafted! 😞

Luckily the new **Anti-Lockup Unit** is an economical and effective means of fixing this! It works just like a forward assist – it “bumps” the motor and gears JUST ENOUGH to get past any lockup and instantly fix the problem. It does not otherwise interfere with the firing, **and cannot be used to fire in fullauto.**

It is compatible with stock-wired AEGs or MOSFET-enabled AEGs!

WHAT IT LOOKS LIKE



This is the unit, it consists of a high-current switch, wires, and a “black box”. The unit and switch are non-polarized.

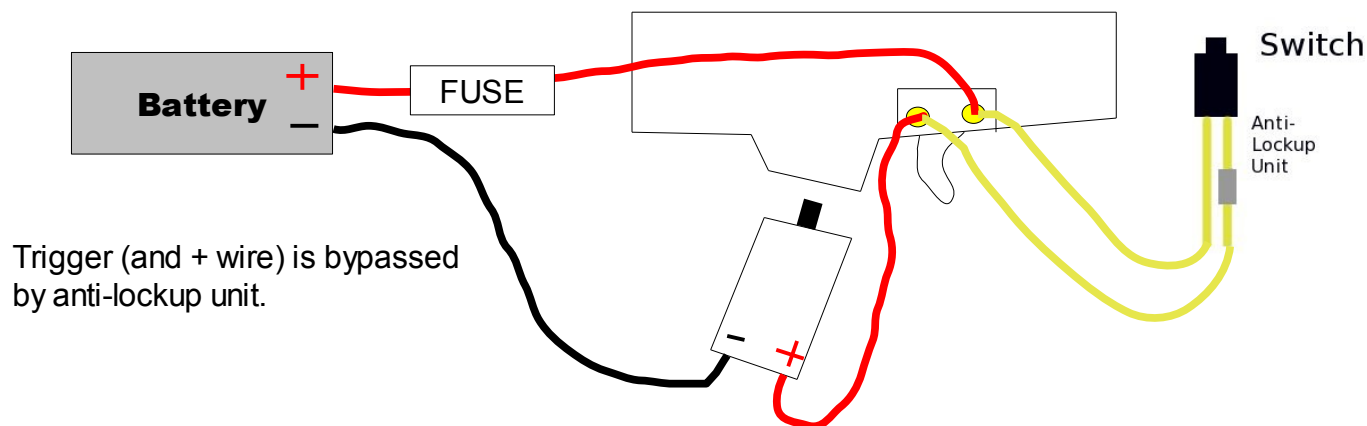
The “black box” will allow power to flow to the motor for only a short time before cutting out.

If the unit is used to power the motor when the switch is pushed, then it will only “bump” the motor forward. This is enough to push things past a trigger lockup.

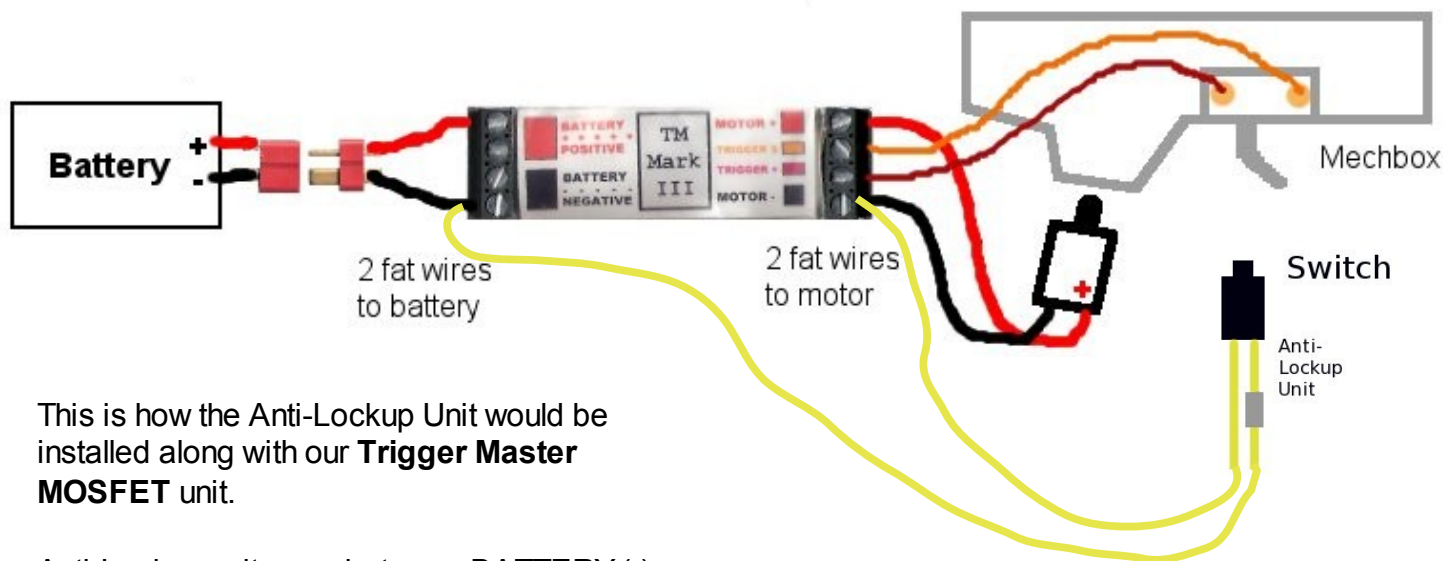
HOW TO INSTALL IT

The unit can be installed on any gun, stock or MOSFET-equipped. One wire of the unit should be connected to power, and the other end to the motor, such that it bypasses any trigger assembly or MOSFET unit when the trigger is pushed. Below are some specific installation examples:

Installation into a stock-wired gun



Installation into a gun with Trigger Master MOSFET

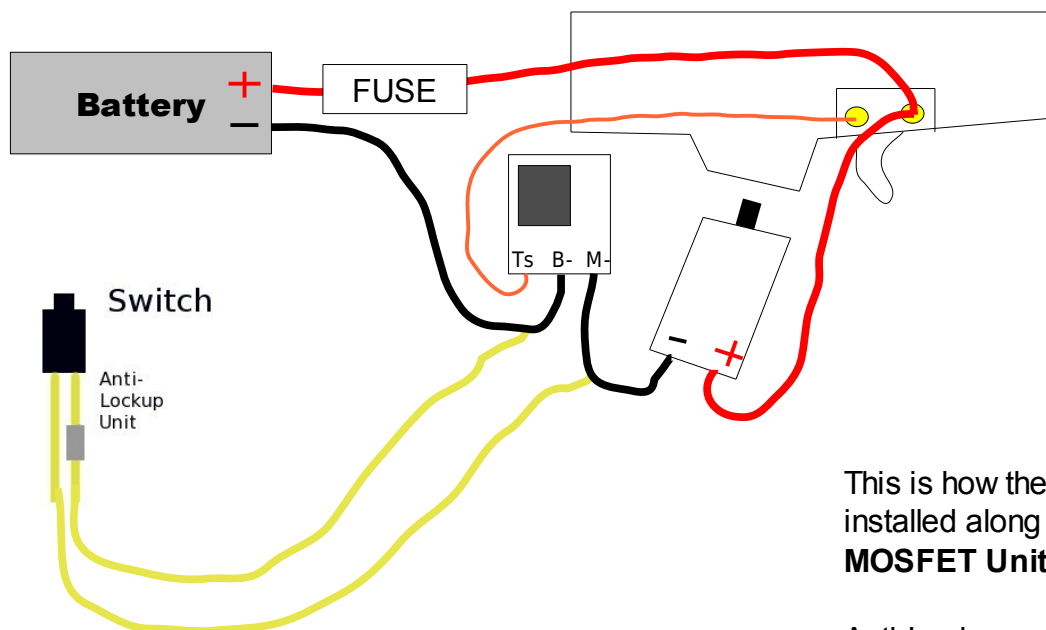


This is how the Anti-Lockup Unit would be installed along with our **Trigger Master MOSFET** unit.

Anti-Lockup unit goes between BATTERY (-) and MOTOR (-).

This is because electrically speaking a MOSFET switches the (-) terminal.

Installation into a gun with an SMU (Simple MOSFET)



This is how the Anti-Lockup Unit would be installed along with our **SMU (Simple MOSFET Unit.)**

Anti-Lockup unit goes between B- (Battery -) and M- (Motor -).

This is because electrically speaking a MOSFET switches the (-) terminal.

TECHNICAL DETAILS

The Anti-Lockup Unit (aka AEG Forward Assist) works by allowing current to flow through it while the switch is pushed, allowing the motor to turn and ignoring the normal trigger assembly. However, it routes all power through a small, carefully-selected fuse. This fuse serves to cut off power as soon as the motor encounters resistance when it begins the firing cycle. In this way, it can be used to “bump” the motor forward past any dead spots – letting you fix the dreaded “semi-auto lockup” easily!

This unit is made from the hardware design of Terry Fritz of Extreme-Fire.com; all hail Terry!

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AE Innovations

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