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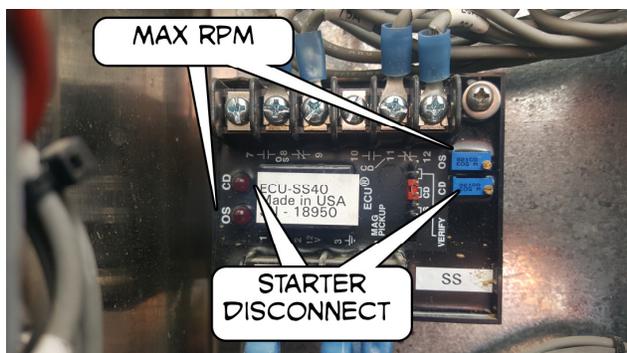
#33 Engine Over Speed And Starter Disconnect ECU "EOSSD"

Today we will be covering the Engine Over Speed And Starter ECU, also known as the EOSSD. It is located inside the electrical panel. When referencing the electrical schematic, it will be labeled SS.

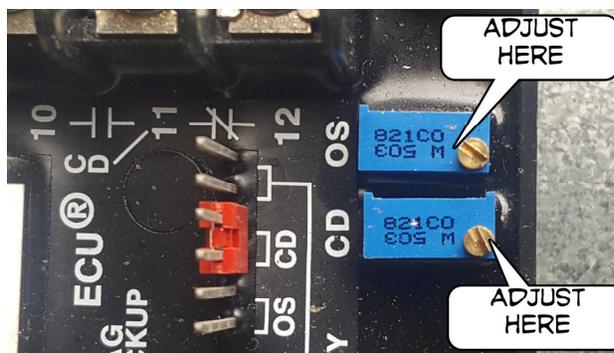
The EOSSD has two important functions that it controls. **See IMG.1**

1. The starter disconnect.
2. Engine over speed.

IMG.1



IMG.2



The first function is the starter disconnect. This is used so that once the engine is running and reaches the set RPM you can no longer operate the starter. We set all new P/U starter disconnects at 500 RPM. If you need to adjust this use the bronze adjustment screw on the blue potentiometer with the CD next to it. To increase the RPM setting turn the screw clockwise, to decrease turn counter clockwise. **See IMG.2**

When you reach the disconnect setting "500 RPM" you can tell by the red light coming on. The **RED LIGHT** indicates the starter circuit is open and the starter will no longer function. **See**

IMG.3

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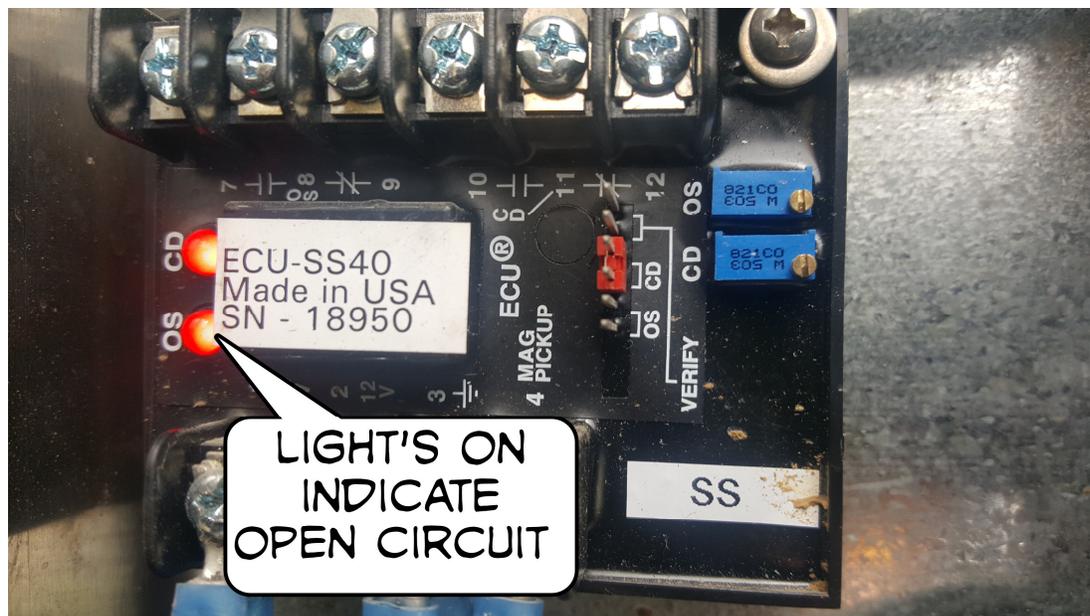
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IMG.3

The second function is the engine over speed. This is used to set the max engine RPM that the governor switch can reach. Once you reach the max engine RPM setting the circuit opens and you can no longer raise the RPM. If you need to adjust this use the bronze adjustment screw on the blue potentiometer with the OS next to it. To increase the RPM setting turn the screw clockwise, to decrease turn counter clockwise. **See IMG.2**

When you reach the MAX RPM setting you can tell by the red light coming on. The **RED LIGHT** indicates the engine over speed circuit is open and the governor raise circuit will no longer function. **See IMG.3**

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