

Off Road Engineering  
(949) 581 2991  
Electronic Hand Throttle - Model EHT300  
For 2007+ Jeep Wrangler

Installation Instructions

Parts included: EHT300 control module, handheld remote, installation kit.

1. Disconnect the negative cable from the battery to avoid damage to the electrical system during installation.
2. Disconnect the connector going into the base of the accelerator pedal. Plug the connector of the EHT300 into the accelerator pedal socket. Plug the vehicle's accelerator pedal connector into the connector on the EHT300.  
To release the connector push down on the small black tab located at the end of the connector and pull on the connector. Do not pull on the wires! The connector on the EHT300 will have a red locking tab that can be pushed forward to lock the connector, the vehicle's connector probably won't have the red tab. Secure the EHT300 module to the near by wiring harness with a zip tie.  
Install the handheld remote in a desired location with the supplied Velcro and route the connector to the EHT300 control module. Plug the connector into the receptacle labeled "Handheld Remote."
3. Connect power (red wire) and ground (black wire) to the module. Refer to schematic on next page:  
Connect the red power wire to the wire coming out of the back of the accessory outlet on the driver's side of the vehicle. To gain access to the back of the outlet, remove the bottom panel of the center dash. Then remove the two bolts below the switch panel and pull the center panel back far enough to gain access to the wires coming out of the outlet. Crimp a circuit tap onto the BLUE wire with PINK stripe and connect the red power wire to the circuit tap. (The EHT300 must get power from a 12V ignition on source, OFF during cranking). Connect the black ground wire to a ground stud. Secure wiring with the supplied zip ties and make sure all wires are routed away from any moving parts. Reconnect the negative battery cable.
4. Connect the brown wire to ground for manual transmission, leave disconnected for automatic transmission.
5. Preset rpm switch connection (optional)  
Connect the orange preset rpm switch wire to an on/off switch. The preset rpm level will be activated when the orange wire is switched to ground. The set point is controlled by the RPM trim pot on the EHT300 module. Connect to green wire of optional HIGH IDLE switch.
6. After the installation is complete, start the engine and let it warm up for a few minutes. Turn on the power switch on the handheld remote. The green light on the handheld remote will indicate that you have manual RPM control. Press the toggle switch up and the engine RPM will increase. Release the toggle switch when the desired RPM is reached. Press the toggle switch down to set the engine RPM back to its normal or desired level. Turning the EHT300 off will also return to normal idle speed. If the EHT300 was turned on using the preset rpm switch, the rpm level can be changed by turning on the handheld remote and toggling up or down. RPM range is typically from idle to 3000 rpm with no load applied.

Applications:

**Rock Crawling:**

Simply adjust the engine RPM to control your speed by pressing the toggle switch up or down. To slow down, the brake may also be applied. The EHT300 will give vehicles with manual transmissions the feel of an automatic transmission by applying the brake.

**Winching:**

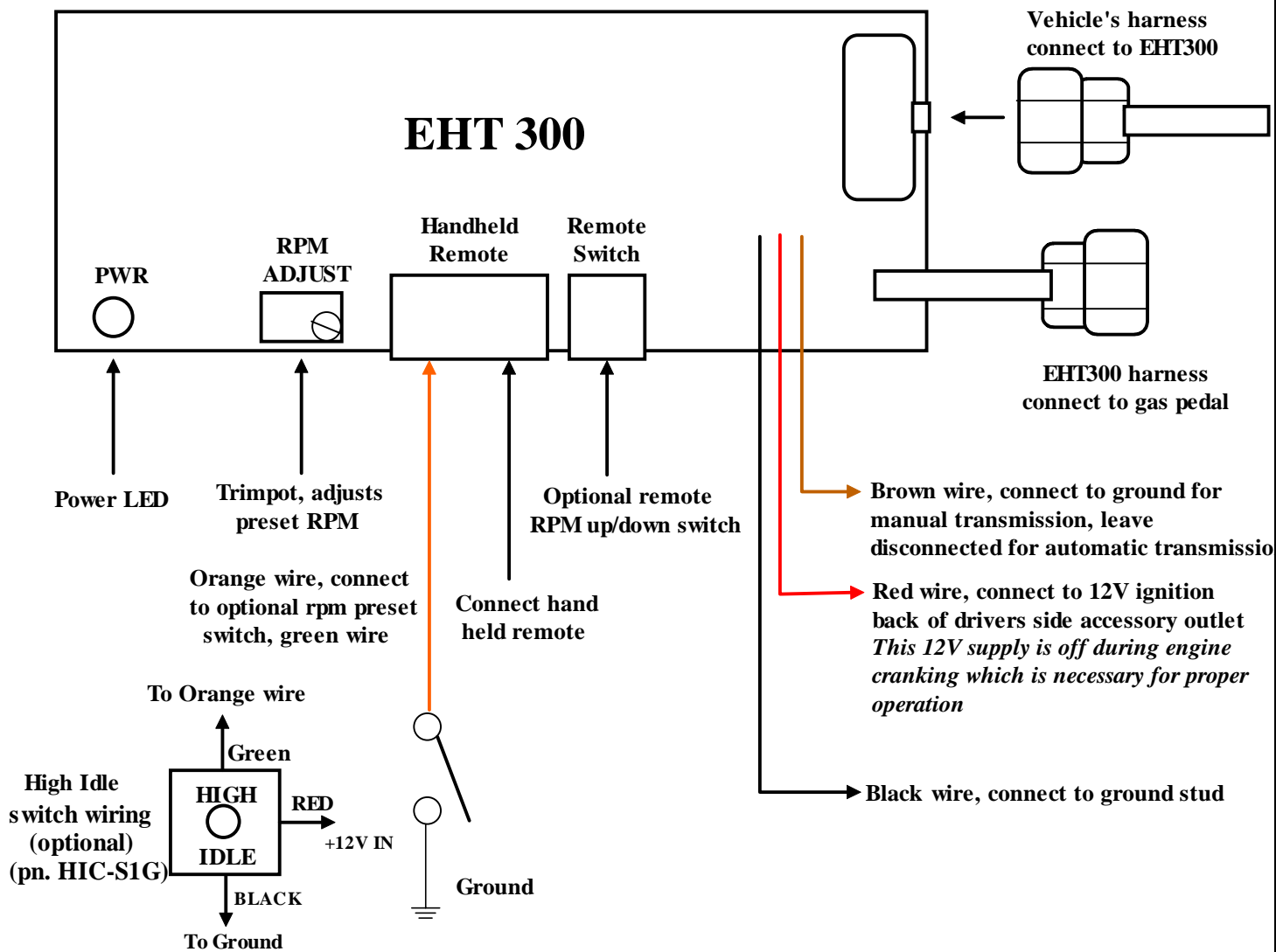
Adjust the EHT300 to 1500-2000 RPM to increase the alternator's current output and keep the battery from draining. This allows you to keep your foot off the accelerator pedal and on the brake, if needed.

**Running Air Compressors:**

Adjust the EHT300 to 1500-2000 RPM and your engine will supply extra power to mechanical or electrical air compressors.

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### EHT300 Wiring diagram



#### WARNINGS:

- Read and follow the Installation and Operating Instructions thoroughly.
- On vehicle's with automatic transmissions, do not shift from neutral or park into gear with the idle set above factory level.
- The EHT is for off-road use only, use only with the transfer case in low range when using while driving.
- Do not press the toggle switch with the EHT300 turned on, and the motor not running.
- Do not turn the engine off with the RPM above 1000. Do not start the engine with the EHT300 on.
- Do not leave your vehicle unattended with the RPM adjusted above the factory set level.