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FleetComplete®

FLEET TRACKER MGS150

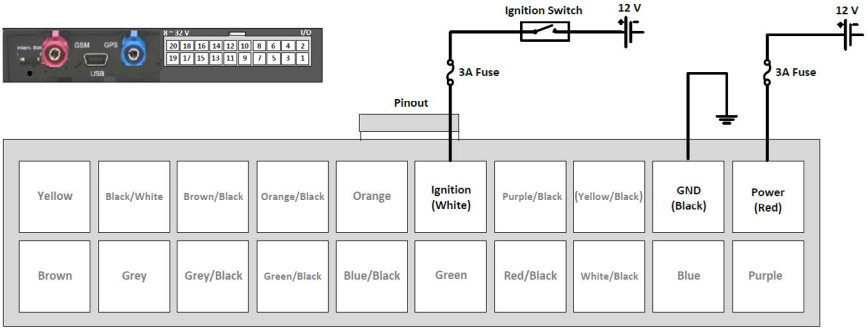
Hardwire Installation

MGS150 KIT INCLUDES

MGS Device
Mounting Cradle
Power Harness
5 Zipties
1 Blue Terminal Ring

Scan the code for video installation instructions
or go here *fleetcomplete.com/mgs150hardwire*

MGS150 WIRING SCHEMATIC



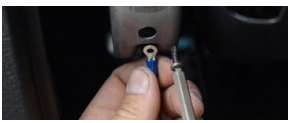
OVERVIEW OF THE MGS150 LEDS

The MGS150 LED indicator lights have been designed to provide a simple visual reference regarding the device's current status. The table describes each status and the respective LED indications.

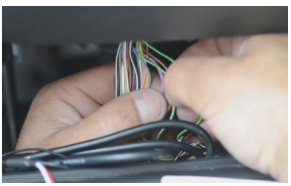
Green LED		Red LED	
OFF	Power down mode	ON	External power issue
3 times	No GPRS / No GPS	ON	Internal battery issue
2 times	No GPRS / Fix GPS	1 time	Shutdown / Standby mode
1 time	GPRS OK / No GPS	2 times	Idle / Sleep

INSTALLATION

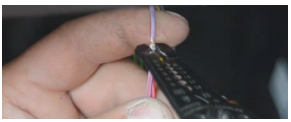
1. Run the ground (black) wire to a suitable chassis ground by using the crimp ring terminal.



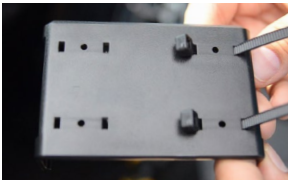
2. Run the positive (red) wire to the constant power (+12 volts DC at all times) and splice an in-line fuse holder to the end. This is to protect the wire run.



3. Run the ignition switch input wire (white) to the primary ignition wire in the vehicle. Locate the appropriate wire under the dash. When the ignition key is turned to the "On or Run" position, this will show +12 Volts DC.



4. Run up to 4 zipties on the bottom of the modems' cradle. Snap the modem into the cradle and secure it with a ziptie across the top and around the cradle.

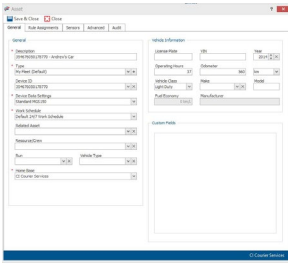


5. Connect the power harness to the modem.

6. Turn on the ignition. On the modem, switch the back-up battery power switch to ON (I).

7. Mount the device in a location with least amount of exposure to damage by people or objects. Possible mounting locations are under the central console, behind the dash or behind the glove compartment.

8. Validate that the unit is setup in the Fleet Complete Application by logining into your account. Your account login is sent to the main contact listed on the account at the time of purchase.



9. Update the asset in Fleet Complete with corresponding Device IMEI Number, Vehicle ID, VIN and Odometer reading.

There are two acceptable methods of making a wire connection:

- Solder the 12v Constant Power and Ground cables to the vehicles power center.
- Splice and weave wires to 12v Constant Power and Ground cables.

Important: Hardware warranty will be voided if the device is not installed according to the instructions.

FAQ

Where in a truck is the best place to install MGS150?
The best places to hardwire an MGS150 in a vehicle are under the center console, inside the dashboard or under the glove compartment. Be sure the device is not obstructed by metal to avoid signal interference.

Can I install the modem outside of the vehicle?
No. MGS150 is not weatherproof and must be installed in a dry location.

Can I wire the modem to the back of the car radio or with other accessories?
No, you will not get proper idle reports because the modem will not be able to monitor the ignition status properly. Ignition wire must always be connected to the vehicle's ignition.

Where is the best place to get a proper power and ignition?
Use the proper power or ignition wire directly from the ignition switch or behind the fuse box. Do not use the intermittent power sources such as brakes power wires, lights, radio or other accessories. The modem will not receive correct reading of the ignition status and will cause "Movement without ignition errors" and improper idling report.

What is the best way to connect the wires?
There are two acceptable methods of making a wire connection: soldering the wires with the soldering iron or weave and crimp the connectors with the use of the proper crimping tool. DO NOT use t-tap connectors. Always tape the connections after soldering.

Can additional sensors, such as door or temperature sensor, be installed with the MGS150?
Yes, the power harness provided with the kit allows up to 4 sensor inputs, such as temperature, door, PTO and other sensors.

What is the Default Data Settings (DDS) for MGS150?
The DDS for MGS150 is to record 1 position every 2 min and transmit location data to the server every 6 min. DDS Settings can be adjusted in the Fleet Complete application under Asset Settings.

What data is collected and transmitted by the MGS150 device?
Date, time, location - address and coordinates, speed, direction of travel, ignition status, battery level, odometer, sensor status.