

Fleet Tracker MGS700

Installation Guide

Table of Contents

- 1 MGS700 Features.....3
- 2 Overview of the MGS LEDs.....3
 - 2.1 Green LED 3
 - 2.2 Red LED 4
- 3 Installation5
- 4 FAQ.....6
 - 4.1 Where in a truck is the best place to install MGS700 with OBD-II cable? 6
 - 4.2 The modem plugs into the OBD-II port. Is it easy to tamper with? 6
 - 4.3 Will Fleet Complete send out an alert when the device is running on back-up power? 6
 - 4.4 How long does the back-up battery last after the main power source has been disconnected? 6
 - 4.5 How long does it take for the backup battery to recharge?..... 6
 - 4.6 What is the Default Data Settings (DDS) for MGS700? 6
 - 4.7 How long is the trip data stored in Fleet Complete? 6
 - 4.8 Does MGS700 do engine diagnostics? 7

1 MGS700 Features



- Built-in GPS antenna
- Built-in back-up battery of up to 2 hours of reporting
- Built-in 3D accelerometer movement detection
- Internal, replaceable SIM
- Over-the-air configuration update
- 2 LED for status indication
- inputs – 6 inputs (3 hi, 2 low, 1 analog)
- Operating temperature conditions: -4° to +149° F / -20° to +65° C

2 Overview of the MGS LEDs

The MGS700 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.

2.1 Green LED

Off	Power down mode
Flash	Low power mode
Slow	Full power mode / Ignition off
Fast	Full power mode / Ignition on

2.2 Red LED

Off	No faults detected	2-5	Last data session failed
1-1	License key expired	2-6	Data plan is not available
1-2	Low supply voltage	3-1	GPS module fault
1-3	Allocated data usage exhausted	3-2	GPS antenna open/short
2-1	HSPA module fault	3-3	GPS no track (0 sat)
2-2	Not activated	3-4	GPS no x (<3 sat)
2-3	No HSPA signal	3-5	GPS no time
2-4	Network not found	4-2	Data transfer failed



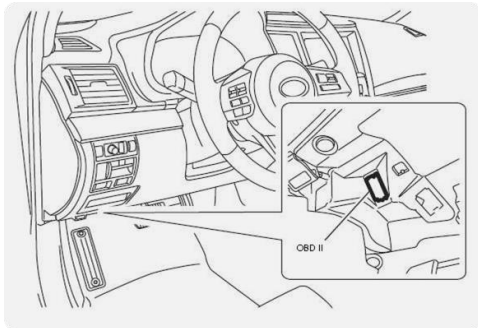
Warning

The device and all related cabling must be securely fastened and kept clear of all vehicle controls, including throttle, brake and clutch pedals, as any loose cabling or devices may impede the use of vehicle controls, which could lead to serious injury or death.

3 Installation

To install the unit, perform the following steps:

1. **Locate the OBD-II port** in your vehicle, which is usually under the dashboard left of your steering wheel. Or consult your owner's manual to locate it. Validate that the unit is setup in the Fleet Complete Application.
2. **Connect the OBD-II connector** on the MGS to the OBD-II socket in your vehicle. Do not cut or splice the cable.
3. **Secure the MGS and the wiring** under the dashboard to avoid breakage. The MGS must be installed with the label facing the sky with the MGS as close to the top of the dashboard as possible and kept clear of foot pedals.
4. **Login into Fleet Complete Application** and update the asset with Vehicle ID, VIN, and Odometer reading.

A screenshot of the Fleet Complete Application interface. The window has a title bar with 'Save & Close' and 'Close' buttons. Below the title bar are tabs for 'General', 'Rule Assignments', 'Sensors', 'Advanced', and 'ECH'. The 'General' tab is selected. The interface is divided into two main sections: 'General' on the left and 'Vehicle Information' on the right. The 'General' section includes fields for 'Description', 'Type' (set to 'My Fleet (Default)'), 'Device ID', 'Device Data Settings', 'Work Schedule' (set to 'Default 24/7 Work Schedule'), 'Related Asset', and 'Resource/Crew'. The 'Vehicle Information' section includes fields for 'License Plate', 'VIN', 'Year', 'Manufacturer', 'Make', 'Model', 'Vehicle Class', 'Light Duty', 'Operating Hours', 'GPS Derived Odometer', 'Fuel Economy' (set to '0.0 mpg'), and 'Expected Fuel Economy' (set to '0.0 mpg'). There is also a 'Custom Fields' section at the bottom.

Important

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

4 FAQ

4.1 Where in a truck is the best place to install MGS700 with OBD-II cable?

The best place to install MGS700 in a vehicle is under the center console. Be sure to secure the device to a metal panel under the dash with zip ties and hide all the wires to protect the device from interference from the driver.

4.2 The modem plugs into the OBD-II port. Is it easy to tamper with?

The modem is equipped with a back-up battery which will allow the modem to continue reporting even if it has been unplugged from the OBD port.

4.3 Will Fleet Complete send out an alert when the device is running on back-up power?

Yes, an alert will be sent to the selected individuals on your team informing them of the device being disconnected from the vehicle's power source.

4.4 How long does the back-up battery last after the main power source has been disconnected?

The back-up battery has a charge of up to 2 hours with the default transmission settings. The battery will recharge once the modem is reconnected to the main power source.

4.5 How long does it take for the backup battery to recharge?

After the modem has been reconnected to the power source, the battery will take 24 hours to recharge.

4.6 What is the Default Data Settings (DDS) for MGS700?

The DDS for MGS700 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.

4.7 How long is the trip data stored in Fleet Complete?

Your transmission data is stored for 12 months on our servers. Longer data retention may be requested for an additional fee.

4.8 Does MGS700 do engine diagnostics?

Yes.