

FLEETBOSS™

Global Positioning Solutions

The Boss® VEHICLE UNIT Installation Instructions

BEFORE YOU BEGIN:

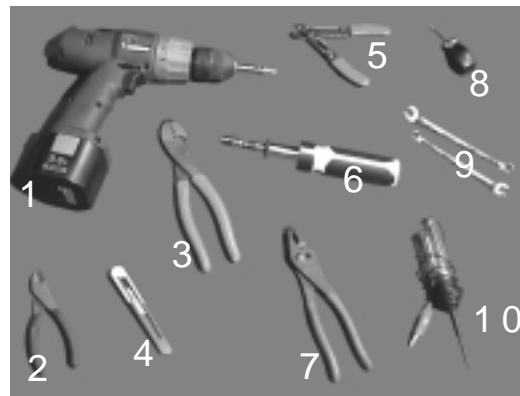
Please read these instructions entirely. If you still have questions, please contact your selling dealer.

You will need to identify these components from your installation kit:



- 1 Wire Harness
- 2 Plastic Fuse Holders
- 3 **The Boss®** Vehicle Unit
- 4 Reusable Module
- 5 Antenna
- 6 Accessory Kit

Make sure your Reusable Memory Module is NOT in your Vehicle Unit during installation.



You will also require these tools:

- 1 3/8" Drill with 1/16" bit
- 2 Side Cutters
- 3 Crimping Pliers
- 4 Utility Knife
- 5 Wire Stripper
- 6 Ratchet Drive
- 7 Common Pliers
- 8 #2 Phillips Screwdriver
- 9 Combination Wrench
- 10 Test Light

STEP 1 Properly identify your vehicle's wiring.

Using the Internet go to www.bulldogsecurity.com. Follow screen

Make	Model	Year	WIRE	COLORS	LOCATION
CHEVROLET	VAN	96-98	12 VOLTS CONSTANT	RED	IGN HARNESS
			IGNITION 1	PINK	IGN HARNESS
			IGNITION 2	PURK/WHIT	IGN HARNESS
			IGNITION 3	N/A	N/A



STEP 2 Safety First.

Using a combination wrench, disconnect the positive lead from the vehicle's battery.

STEP 3 Select Mounting Location.



The preferred mounting location is on the dash panel, on the right side of the steering column. Alternative sites are the kickboard on the passenger side, on the side of a center console, or on top of a transmission hump.

We do NOT recommend mounting:

- On the left side of the steering column, where the operator's knee may bump into it.
- Below or around the beverage holder, to avoid the danger of spillage.
- On any surface that has to be removed for engine servicing.
- On top of the dashboard.

STEP 4 Prepare Fuse Holders.

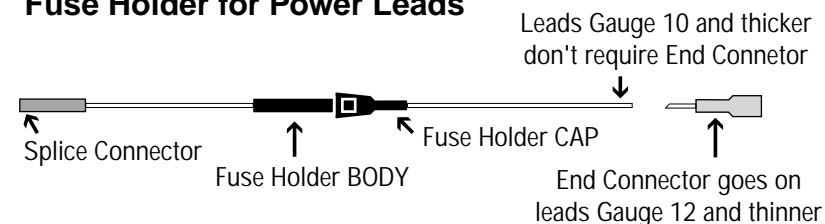
Installation is simple but wires must be prepared carefully.

IMPORTANT: To avoid reversing leads at the time of connection, splice connectors should be attached to opposite ends of fuse holders, as shown in the diagram below:

Fuse Holder for Ignition Lead



Fuse Holder for Power Leads



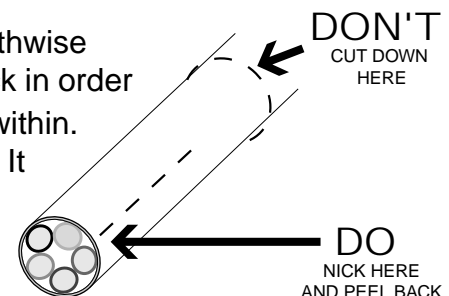
- Cut black plastic Fuse Holders, about center wire.
- Strip the wires back on both sides. (No more than 1/8".)
- Take a fuse holder and attach a splice connector to the wire that leads to the cap and an end connector to the wire that goes to the body.
- Take the second fuse holder and attach a splice connector to the wire that leads to the body. Only attach an end connector to the other wire if the power lead is 12 gauge or thinner.

WARNING: Anytime you crimp a connector to a wire, try to gently pull them apart, making sure that your crimp has taken.

STEP 5 Prepare Wire Harness.

IMPORTANT: If you are mounting your Vehicle Unit on the passenger side, pass the wire from the Wiring Harness up through the dash to the power sources on the driver's side, **before you strip the wire shield.**

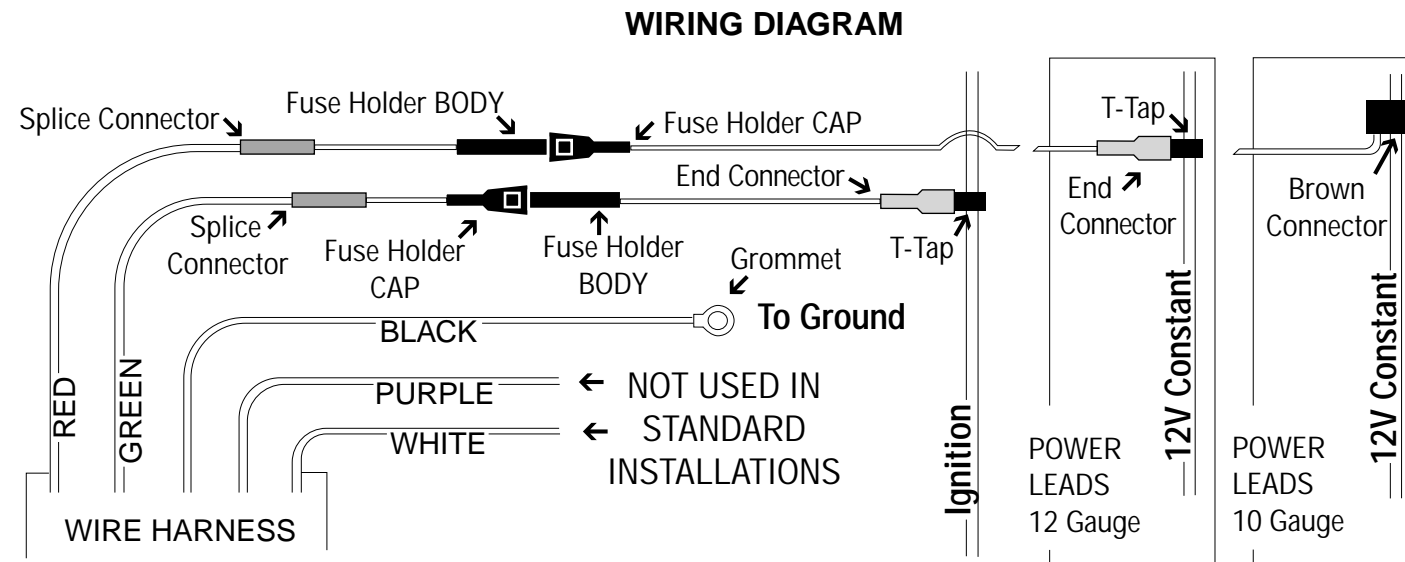
- Nick the end of the wire shield lengthwise (**NOT across**). Peel the rubber back in order to protect the integrity of the wires within. Cut off excess aluminum shielding. It connects to ground through the unit and must not come in contact with voltage.



WARNING: Proper stripping of the wire shield is essential for trouble-free operation of **The Boss®**.

- Strip 1/8" off the end of the RED, GREEN, and BLACK wires on your harness.
- Using it's splice connector, crimp the black wire attached to the body of a fuse holder to the RED wire of the harness.
- Using it's splice connector, crimp the black wire attached to the cap of the other fuse holder to the GREEN wire of the harness.
- Attach a grommet to the BLACK wire of the harness.
- For standard installations, roll the white and purple wires out of the way and tape them back to the harness. These wires are used only when 12VDC vehicle subsystems such as rear doors PTO's, etc. are monitored. In these instances, contact your selling dealer for additional instructions.

Please refer to the wiring diagram on the next page.



STEP 6 Access the vehicle wiring.

Most vehicles have panels that can be easily loosened. Removal varies from vehicle to vehicle and it is best to refer to your vehicle manual for instructions first. If you have any questions, contact your selling dealer.



STEP 7 Prepare wiring and pre-test.

- Locate the power lead and ignition wires according to the information you obtained in step one.

IMPORTANT: For 8-10 gauge wires you will use a Brown Connector. For 12 gauge use a Yellow T-Tap. 14-16 gauge wires require the Blue T-Tap. On GM* vehicles, for instance, the power leads usually require Brown Connectors while some other vehicles may require the smaller Blue T-Taps for ignition wires.

- If the power lead on your vehicle is 10 gauge or less, you will need a brown connector. Slide the open connector over the power lead. After the black wire without a connector (from body of fuse holder) is inserted into the round hole of the connector, use a pair of pliers to close the link and crimp it in place. Close and lock the cover.
- For 12 gauge power leads, just snap a yellow T-Tap on it.
- Also snap a gauge-appropriate T-Tap onto the ignition lead.
- Reconnect the vehicle's battery to pre-test circuits.
- Connect your test light's clip to the vehicle frame and check the connection to your power lead first.
- Turn the ignition key on and check the connection to the lead from your ignition.

- If everything checks, out disconnect the battery before proceeding.

STEP 8 Connect The Boss® Vehicle Unit.

- Loop the Wire Harness under the dash panel and attach your connectors as follows:

RED WIRE: Through the fuse holder, connect to 12V Constant.

GREEN WIRE: Through fuse holder, connect to lead from the ignition circuit.

BLACK WIRE: After drilling 1/16" hole in the metal panel, attach grommet with a self-tapping screw from your kit.

Refer to diagram above.

STEP 9 Mount your antenna.

Locate an existing cable grommet in the firewall behind your mounting spot. Thread the antenna wire through it.

The antenna's magnetic base can be attached anywhere on your vehicle open to the sky. A preferred location is on the hood so it can be tucked under for protection when your vehicle is washed.



Another excellent choice that ensures great signal reception is to mount your antenna on the roof. In this case conceal the wire under the windshield seal.



STEP 10 Mount and test Vehicle Unit.

- Connect the antenna and nine pin wire harness to your Vehicle Unit. **IMPORTANT:** Make sure the Reusable Module is **NOT** inserted at this time.
- Reconnect your battery.
- When the green LED on your Vehicle Unit comes on, it is the indication that the unit has power. Turn on the ignition. The red LED will come on verifying that the ignition leads was also wired properly.
- Move your vehicle to an area open to the sky in order to acquire satellite signals. The green light will flash intermittently until it finds all it's satellites. Flashes will gradually slow down with every new satellite it finds. Depending on your location, this process could take up to 20 minutes.
- Tie any loose wires with the supplied wire ties and replace the dash panels.
- Using a pair of self-tapping screws, mount your Vehicle Unit. All units come preprogrammed. Some settings can be customized with a Programmer. If you have any questions, please contact your selling dealer.
- Insert your Reusable Memory Module. Your unit is now fully operational.

Take The Boss® for a test drive:

Make several stops. Record your locations on a log as you make each stop. Turn your engine off at a couple of these stops. At other stops just let your vehicle idle longer than the programmed stop time. (Standard factory setting is two minutes.) At one stop remove the Reusable Module and reinsert it.

Return to your office, remove your Module, and plug it into your office computer. Check the stops against your log. Edit the block addresses where you stopped with the names you recorded on your log and begin building your own database. Verify that there is an asterisk next to the stop where you removed your Module.

Congratulations! From now on, you can account for this vehicle **24 hours, 7 days a week ...**

Welcome to

PEACE OF MIND FLEET MANAGEMENT!