

Install Wiring Harness on Transmission

- Connect the harness plug into the wiring socket, connect speed sensor at the tailhousing, connect pressure sensor plug on right side of transmission. All wires are labeled. Quick Install diagram is color coded to match these plugs.
- Use provided cable ties to fasten the harness to the bellhousing of transmission.

System Check and Calibration

- Power on controller, check pressure sensor, check speed sensor, and calibrate the throttle position sensor. Refer to owner's manual for more information on system check and calibration.

If you have any trouble or questions along the way, be sure to consult the online Owner's Manual. If you need additional assistance, feel free to contact your distributor or HGM headquarters.

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Warranty

For a period of one (1) year after purchase, HGM Automotive Electronics will repair or replace, at our expense and option, any COMPUSHIFT Mini component that in normal use has proven to be defective in workmanship or material. The customer must return the component prepaid to HGM Automotive Electronics with proof of purchase to allow opportunity to verify the alleged defect by inspection.

HGM Automotive Electronics will not be responsible for any asserted defect that specifically resulted from normal wear, misuse, abuse, or repair or alteration made by anyone other than an authorized HGM Automotive Electronics representative or service facility. Under no circumstances will HGM Automotive Electronics be liable for incidental or consequential damages resulting from defective products, or improper installation, configuration, or use.

This warranty is the sole warranty and sets forth the customer's exclusive remedy. All other warranties, express or implied, including fitness for purpose, are expressly disclaimed by HGM Automotive Electronics.



COMPUSHIFT Mini Quick Install Guide

STOP! READ THIS FIRST!

HGM Automotive Electronics thanks you for buying COMPUSHIFT Mini. Our system is a high-quality product that works exceptionally well. This Quick Install Guide and the online Owner's Manual are keys to a successful installation. Please take advantage of them, and contact us with any questions.

This Quick Install Guide gives you an overview, but please refer to the Owner's Manual online at www.hgmelectronics.com for complete details.

Vehicle Preparation

COMPUSHIFT Mini cannot properly operate a malfunctioning transmission. A malfunctioning transmission may damage COMPUSHIFT Mini and void your warranty. Your transmission must be properly installed and in good mechanical condition before using COMPUSHIFT Mini.

A qualified transmission repair shop can inspect, clean, install, and/or rebuild your transmission as required. If you have any questions about the condition or type of transmission, please contact a qualified transmission repair facility, HGM headquarters, or one of our distributors for a recommendation.

Pre-Installation Check List

- Prior to installation, you should ensure that your powertrain, engine, transmission, drive shaft, rear axle, are all in good working condition.
- The vehicle's electrical system should be properly maintained and working correctly. Battery voltage should be 13.8 - 14.7 volts while the engine is running.
- The transmission should shift smoothly and correctly through its gears, and the shift linkage should be correctly adjusted.
- Your transmission must have a properly-calibrated speedometer gear.
- COMPUSHIFT Mini uses the industry standard 1000 turns per mile speedometer cable speed to determine speed. On your road test, shifts should be early at light throttle later as the throttle is opened. Your transmission should work and feel just like it would in the type of vehicle it came from.

Installation

Before installation, you will need to decide:

- Where to mount your COMPUSHIFT MINI controller
- How to route the wiring harnesses
- Where to install the firewall grommet

COMPUSHIFT Mini Controller

- Mount the box under the seat or dashboard in dry, cool, secure location using the provided section of tape with hook-and-loop fasteners (Velcro). Do not mount near a heat source and be sure there is free airflow around the unit.

Wiring Harnesses

- Install the wiring loom in the vehicle by routing the loom through a hole in the firewall. Rubber grommet can be moved along the wire harness to the desired position.
- Drill or punch a 1.625" hole through the firewall in an appropriate location. Fit the grommet through the firewall from inside the vehicle rather than up from the transmission. Route harness along the right side of the transmission.
- Connect the red wire to a source of switched 12 volt power and black wire to a good ground connection.
- If desired, connect the purple wire with a white stripe to the signal input of your electronic speedometer.

Speed Sensor

- Assemble the sensor, small section of drive cable, washer, and cable nut.
- Locate and remove speedometer cable attached to the speedometer drive output of the tailhousing of the transmission.
- Screw the speed sensor into the speedometer drive on the tailhousing, being sure to engage the short cable inside the drive. Do NOT over-tighten.
- Reattach the speedometer cable to the output of the speed sensor.

Pressure Sensor (GM only)

- Locate pressure plug test port on the left side of the transmission, immediately behind the bellhousing of transmission
- Clean this area. Remove plug, prep with PTFE / Teflon sealant (or tape), thread the pressure sensor into the port, and tighten.

Throttle Position Sensor (Chrysler only)

- Connect throttle position sensor wiring loom to the existing sensor or install and connect the sensor if your kit was ordered with one.

Third Gear Switch (Chrysler only)

- Locate front servo pressure tap on right side of transmission immediately behind bell housing on transmission near pressure plug.
- Clean this area. Remove plug, prep with PTFE/Teflon sealant (or tape), thread the third gear switch into the port, and tighten.

COMPUSHIFT Mini Quick-Install Diagram

