

BENCH PROGRAMMING UNIT

INCREASE YOUR VEHICLE UPTIME



The WABCO Bench Programming Unit allows users to program WABCO ABS Electronic Control Units (ECUs) on the bench during service. With this unit, a vehicle is not required to be present onsite to program an ABS ECU.

The Bench Programming Unit also features the ability to program an ECU for a truck that does not have J1939 connection or communication to the ABS ECU. This allows you to program the ECU prior to installation on the truck, saving time and cost from purchasing a preprogrammed ECU.

YOUR BENEFITS

- Reduce vehicle downtime through faster programming on the bench
- Reduce cost of purchasing preprogrammed ECUs
- Minimize number of ECU part numbers in inventory by stocking programmable ECUs

WABCO

BENCH PROGRAMMING UNIT

PART NUMBER 400 850 960 0



WHAT IS NEEDED?

1. A computer with TOOLBOX™ 12.6 or higher diagnostics installed
2. A J1939 diagnostic adapter such as Nexiq or Noregon DLA+PLC
3. A programmable ECU from inventory - programmable ECUs have an orange sticker for easy identification
4. Download a configuration file from <https://wabco.snapon.com>. Register and create an account on the website if not previously done. Save the file in any location on the computer that contains TOOLBOX™ diagnostics. Use the following information to download the configuration file specific for the truck:
 - VIN number of the truck
 - Existing ECU part number from the truck
 - New programmable ECU part number
 - New programmable ECU serial number
5. Bench Programming Unit
6. For programming mBSP ABS ECUs or SmartTrac Hydraulic units, an additional cable will be required and may be procured from your distributor. Cable PNs are below:
 - mBSP cable: PN 400 867 010 2
 - SmartTrac cable: PN 400 851 117 4

HOW IT WORKS

1. Connect the Bench Programming Unit to a power source using the power supply cable that comes in your kit.
2. Connect the WABCO ECU to the Bench Programming Unit using the included adapter.
3. Connect one end of the J1939 diagnostic adapter or additionally purchased adaptor for mBSP or SmartTrac™ Hydraulic ECUs to the Bench Programming Unit and the other end to the computer with TOOLBOX™ diagnostics.
4. Run the Aftermarket programming application in TOOLBOX™ by selecting the downloaded configuration file.
5. Refer to MM-0112 Appendix #4 (Pneumatic ABS) or MM-1543 Appendix #2 (SmartTrac™ Hydraulic) at www.wabco-na.com for more details.

KIT CONTAINS

Programming Adapter

3M Standard Programming Harness

6" Adapter

12 VDC Power Supply Cable



For further details contact your distributor or the WABCO Customer Care Center at 855-228-3203.

WABCO (NYSE: WBC) is the leading global supplier of braking control systems and other advanced technologies that improve the safety, efficiency and connectivity of commercial vehicles. Originating from the Westinghouse Air Brake Company founded nearly 150 years ago, WABCO is powerfully “Mobilizing Vehicle Intelligence” to support the increasingly autonomous, connected and electric future of the commercial vehicle industry. WABCO continues to pioneer innovations to address key technology milestones in autonomous mobility and apply its extensive expertise to integrate the complex control and fail-safe systems required to efficiently and safely govern vehicle dynamics at every stage of a vehicle’s journey – on the highway, in the city and at the depot. Today, leading truck, bus and trailer brands worldwide rely on WABCO’s differentiating technologies. Powered by its vision for safe driving and greener transportation solutions, WABCO is also at the forefront of advanced fleet management systems and digital services that contribute to commercial fleet efficiency. In 2018, WABCO reported sales of over \$3.8 billion and has more than 16,000 employees in 40 countries. For more information, visit:

www.wabco-na.com