


VOLVO CAR SERVICE AND PARTS BUSINESS			
<h1>Special Tools Bulletin</h1>			
TITLE: Midtronics PSC-700 Vehicle Power Supply			
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“Right first time in Time”

Bosch Automotive Service Solutions
28635 Mound Road
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Visit volvodealersolutions.com
Call 1-800-345-3399

When conducting general diagnostics, software downloads, activations and quick tests with VIDA, it is imperative that the vehicle’s system voltage is maintained. Too high or too low a voltage can result in software download problems. It is recommended that a voltmeter be used along with the maintainer to monitor the voltage.

Some types of chargers increase the voltage in order to maintain a constant current setting. Fast chargers and standard battery chargers, especially when set to “boost”, should never be used during software downloads.

While higher voltage can be advantageous for charging batteries, it can be the reason for a failed software download and other problems.

Service Personnel: Read and initial	SERVICE MANAGER	PARTS MANAGER	WORKSHOP FOREMAN	SERVICE TECHNICIANS											



Volvo requires the use of an external power supply like the **Midtronics PSC-700** when performing software downloads and diagnostic fault tracing.

The uninterrupted, filtered and constant voltage supplied by the Midtronics units is critical to ensuring successful software downloads.

Volvo has classified the Midtronics Power Supply units as mandatory.

PART #	DESCRIPTION
165-PSC-700S-KIT	Midtronics PSC-700 Kit Vehicle Power Supply

Accessories:

1. 12 Foot Cable: An optional 12-foot cable with clamps is available.
Part Number: 165-A114.
2. Carrying Case:
Part Number: 165-A103



Open Case



Closed Case

IMPORTANT NOTE: Charger Connection Procedure

Connect the positive cable clamp to the battery and the negative cable clamp to the vehicle chassis **BEFORE** connecting the power supply unit to a 120-volt, 3-wire grounded, AC power source.

The Midtronic Power Supply units are designed with high quality components to ensure years of continuous use. The Midtronics units are protected by multiple electronic features for a long, trouble-free life.

- Fully automatic, regulated DC output, prevents overcharging of battery while charging in the vehicle saving valuable time.
- Reverse battery polarity protection via replaceable fuses.
- Brown-Out input protection.
- Over-Current Protection—cycle-by cycle peak limiting as well as rated current limiting to maximize the life of the converter.
- Over-Temperature protection.
- “Proportional” fan control circuit enables the fan to turn on and off very slowly, minimizing unwanted noise.

Specifications

Specifications	PSC-700 S Kit
Power Supply Voltage Regulation	14.4 (With no load)
Max. Amps. at regulated voltage	70 A
On / Off	Yes, with LED indicator
Protection	Internal Breaker
Removable Cable Set	10' Clamp Set
Soft Protective Carry Case	Included
Power Requirements:	
Input Volvo (Vac.)	105V-130V
Frequency (Hz)	50Hz-60Hz
Max Amp. Draw	15A
Operating Temperature	32°F – 120°F (0°C – 49°C)



Warranty and Repair:

- **Administration:**
Administered by Midtronics, Inc.
- **Warranty Period:**
One (1) year from date of purchase: full replacement (with a re-manufactured) unit except for physical damage or opening/tampering with the unit.
- **Claim Process:**
Call Midtronics Customer Service at 1-800-776-1995.
- **Repairs**
Contact Midtronics for more information 1-800-776-1995