

# CarbonClean MCS 245

*The Complete Fuel System Service and Diagnostic Center*

- ▶ Fully Electronic-Microprocessor Controlled Operation
- ▶ System Runs Unattended
- ▶ Works on Port Fuel, TBI, CIS and Carbureted Vehicles
- ▶ Portable - 12 Volt DC Operation
- ▶ Service Benefits Include:
  - Improved Performance
  - Improved Mileage
  - Emissions Reduction



MV3 Part# 400-0020 & MV4 Part # 400-0040  
The CarbonClean Service Kit includes specifically formulated solutions for the CarbonClean MCS 245 that can also be safely used in other fuel system service machines.



Part No. 500-0245

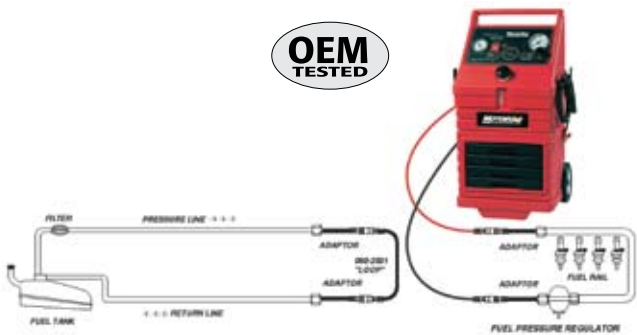
# ▶▶ MOTORVAC CARBONCLEAN MCS 245

## Why use the CarbonClean System?

The MCS 245 is the first gasoline engine system of its kind to clean the fuel system. When used with MotorVac's proprietary Fuel System Cleaning Detergents, the MCS 245 system cleans the air plenum, throttle body, air bypass valve, injectors, valves, combustion chambers, oxygen sensor and catalytic converters without having to remove any engine components.

## How MotorVac CarbonClean Works

MotorVac's two-line cleaning system connects to the engine using vehicle specific adapters, temporarily replacing the vehicles fuel system. During the first cleaning phase (with the engine off) the system circulates MotorVac's powerful yet safe proprietary cleaning MV3 detergent mixed with gasoline through the components of the engines fuel system. This phase safely dissolves contaminants, gum and varnish deposits, capturing them in the unit's ten micron filter. The air intake plenum, throttle body and intake runners are cleaned utilizing the ICS kit in conjunction with the foaming MV4 detergent. During the second cleaning phase (engine running), the injector screens, intake & exhaust valves, top of pistons, combustion chamber, oxygen sensor, and catalytic converter are cleaned. This safely dissolves and removes most of the soft carbon deposits, passing them harmlessly out with the exhaust.



## Proven Effective

Independent tests show that the MotorVac CarbonClean Service restores engine performance, improves fuel economy, and reduces exhaust emissions. More importantly, your customers will immediately feel the difference!

## Features & Benefits

- ▶ Portable 12-volt DC operation – rugged, yet lightweight
- ▶ Vehicle specific, industrial grade adapters/hoses
- ▶ Pressure loss warning light and horn, automatic shut-off
- ▶ Purge cycle vacuums excess fuel from pressure line to avoid spills
- ▶ Works on port-fuel, TBI, CIS, and carbureted systems
- ▶ System runs unattended
- ▶ One Year Limited Warranty

## Technical Specifications

- ▶ Power supply - 12 volt DC Operating Range
- ▶ Power Cord - 10' (3m.) 14 Gauge Heavy Duty Power Leads
- ▶ Timer - 0-60 Minutes, Adjustable
- ▶ Fuel Pressure Gauge - 0-160 PSI Pressure (0-11 bar) (3.5" dia.)
- ▶ Vacuum Gauge - 0-30 in. hg. (-0.1/-1 bar) (2.5" dia.)
- ▶ Circuit Protection - 8 Amp Fast Blow
- ▶ Hoses - 10' Each Reinforced Output and Return
- ▶ Hose - 12' (od) Vacuum
- ▶ Fuel tank - 5 Quarts Capacity
- ▶ Pump - 30 Gallon per Hour (113.55 l.)
- ▶ Filter - "Spin-on" (10 micron)
- ▶ Ship Weight - 75 lbs. (34.01 Kg.)
- ▶ Ship Height - 41" (104.14 cm.)
- ▶ Ship Width - 24" (60.96 cm.)
- ▶ Ship Depth - 19" (48.26 cm.)
- ▶ Cabinet - Rotomolded

## CarbonClean System

MotorVac detergents are specifically formulated to gently remove carbon, gum and varnish deposits from a vehicle fuel system. These proprietary formulas are non-flammable, non-carcinogenic and non-hazardous and environmentally friendly. Both solutions are safe to use on all gasoline engine components and are the most effective cleaners available today.

## Accessories/Adapter Sets



STANDARD KIT  
(INCLUDED)  
Part No. 200-3025



DELUXE KIT  
(INCLUDED)  
Part No. 200-3026



INTAKE CLEANING KIT  
(INCLUDED)  
Part No. 200-8667



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RO# MT0245SS