

State of California
AIR RESOURCES BOARD

Small Off-Road Engine Evaporative Emission System Components

Q-12-008
Briggs & Stratton Corporation
Carbon Canister

WHEREAS, Pursuant to California Health and Safety Code (CH&SC), sections 39600, 39601, and 43013, the California Air Resources Board (ARB) has established a certification process for evaporative emission system components designed to control gasoline emissions from small off-road engines, as described in California Code of Regulations (CCR), title 13, section 2767.1;

WHEREAS, Pursuant to CH&SC, section 43013, ARB has established criteria and test procedures for determining the compliance of evaporative emission system components with the design requirements in CCR, title 13, section 2754;

WHEREAS, Pursuant to CCR, title 13, section 2767.1, ARB Executive Officer may issue an executive order if he determines that the small off-road engine evaporative emission system component conforms to the applicable performance requirements set forth in CCR, title 13, section 2754; and

WHEREAS, Pursuant to CH&SC, sections 39515 and 39516, ARB Executive Officer issued Executive Order G-05-008 delegating to the Chief of ARB Monitoring and Laboratory Division (MLD) the authority to certify small off-road engine evaporative system components.

NOW, THEREFORE, I, Alberto Ayala, Chief of MLD, find that the Briggs & Stratton Corporation model 816729 integrated fuel cap and carbon canister conforms with the performance requirements set forth in CCR, title 13, section 2754, when tested in accordance with TP-902. Additionally, the Briggs & Stratton Corporation model 816729 integrated fuel cap and carbon canister shall be used only on fuel tanks with height, overfill, and filler skirt design features that assure adequate vapor space and fuel slosh control to protect the integrated fuel cap and carbon canister vent.

IT IS ORDERED AND RESOLVED that Briggs & Stratton Corporation shall provide a warranty to equipment manufacturers purchasing the Briggs & Stratton Corporation model 816729 integrated fuel cap and carbon canister. The warranty must conform to the requirements of CCR, title 13, section 2760.

IT IS FURTHER ORDERED that the following small off-road engine integrated fuel cap and carbon canister manufactured by Briggs & Stratton Corporation listed in Table 1 is certified for use in small off-road equipment.

Table 1
Specifications for the Briggs & Stratton Corporation
Model 816729 Integrated Fuel Cap and Carbon Canister

Nominal Capacity (cc)	Working Capacity (grams)	Maximum Fuel Tank Volume (liters)
50	3.80	3.75

IT IS FURTHER ORDERED that the certified Briggs & Stratton Corporation model 816729 integrated fuel cap and carbon canister shall be installed in accordance with the manufacturer's installation and use instructions for the Briggs & Stratton Corporation model 816729 integrated fuel cap and carbon canister. A copy of this executive order and integrated fuel cap and carbon canister installation and use instructions shall be provided to manufacturers purchasing the Briggs & Stratton Corporation model 816729 integrated fuel cap and carbon canister for installation on small off-road engines and equipment introduced into commerce in California.

IT IS FURTHER ORDERED that the Briggs & Stratton Corporation model 816729 integrated fuel cap and carbon canister shall be clearly identified by a permanent identification that allows ARB to identify manufacturer's name, executive order number, and model number.

IT IS FURTHER ORDERED that any alteration to the certified integrated fuel cap and carbon canister hereby is prohibited. Any alteration or modification of the design approved by this executive order will require the manufacturer to apply for a new executive order.

IT IS FURTHER ORDERED that the Briggs & Stratton Corporation model 816729 integrated fuel cap and carbon canister shall be compatible with fuels in common use in California at the time of certification, and any modifications to comply with future California fuel requirements shall be approved in writing by the Executive Officer or Executive Officer's delegate.

IT IS FURTHER ORDERED that the component certification of the Briggs & Stratton Corporation model 816729 integrated fuel cap and carbon canister can be referenced in certification applications for small off-road engines and equipment that use small off-road engines unless the Executive Officer finds that the Briggs & Stratton Corporation model 816729 integrated fuel cap and carbon canister no longer meets the performance requirements set forth in CCR, title 13, section 2754, when tested pursuant to CCR, title 13, section 2765.

Executed at Sacramento, California, this 7th day of March 2012.


Alberto Ayala, Ph.D., M.S.E.
Chief, Monitoring and Laboratory Division