

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER Q-16-004

Small Off-Road Engine Evaporative Emission System Components

Avon Automotive  
Model GREENbar® 1100 Fuel Hose

WHEREAS, pursuant to California Health and Safety Code, 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 (SORE), as described in California Code of Regulations, title 13, section 2767.1;

WHEREAS, pursuant to California Health and Safety Code, section 43013, ARB has established criteria and test procedures for determining the compliance of evaporative emission system components with the design requirements in Cal. Code Regs., title 13, section 2754;

WHEREAS, pursuant to Cal. Code Regs., title 13, section 2767.1, ARB Executive Officer may issue an executive order (EO) if he or she determines that SORE evaporative emission system components conform to the applicable performance requirements set forth in Cal. Code Regs., title 13, section 2754; and

WHEREAS, pursuant to California Health and Safety Code, sections 39515 and 39516, ARB Executive Officer issued EO 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, Michael T. Benjamin, Chief of MLD, find that Avon Automotive model GREENbar® 1100 fuel hose conforms to the performance requirements set forth in Cal. Code Regs., title 13, section 2754, when tested at a constant temperature of 40 °C, pursuant to Society of Automotive Engineers Specification J1737 using California Phase 2 Certification test fuel.

IT IS ORDERED AND RESOLVED that all Avon Automotive model GREENbar® 1100 fuel hose will conform to the specifications in Table 1 and emit evaporative emissions equal to or less than 12 grams/meter<sup>2</sup>/day, and that Avon Automotive model GREENbar® 1100 fuel hose is certified for use in SORE equipment.

Table 1

Avon Automotive Model GREENbar® 1100 Fuel Hose Specifications		
Nominal Inside Diameters (millimeters)	Minimum Barrier Thickness (millimeters)	Certified Permeation Rate (grams/meter <sup>2</sup> /day)
6.35 ± 0.5 or greater	0.127 ± 0.025	12

IT IS FURTHER ORDERED that Avon Automotive shall provide a warranty to equipment manufacturers purchasing the Avon Automotive model GREENbar® 1100 fuel hose. The warranty must conform to the requirements of Cal. Code Regs., title 13, section 2760.

IT IS FURTHER ORDERED that the certified Avon Automotive model GREENbar® 1100 fuel hose shall be installed in accordance with manufacturer's installation and use instructions for the Avon Automotive model GREENbar® 1100 fuel hose. A copy of this EO and fuel hose installation and use instructions shall be provided to manufacturers purchasing the Avon Automotive model GREENbar® 1100 fuel hose for installation on small off-road engines and equipment introduced into commerce in California.

IT IS FURTHER ORDERED that Avon Automotive model GREENbar® 1100 fuel hose introduced into commerce in California shall be clearly identified by a permanent identification showing the hose manufacturer's name, model number, and EO number.

IT IS FURTHER ORDERED that any alteration to the Avon Automotive model GREENbar® 1100 fuel hose certified hereby is prohibited. Any alteration or modification of the design approved by this EO will require the manufacturer to apply for a new EO.

IT IS FURTHER ORDERED that Avon Automotive model GREENbar® 1100 fuel hose 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 Avon Automotive model GREENbar® 1100 fuel hose can be referenced in certification applications for small off-road engines and equipment that use SORE unless the Executive Officer finds that the Avon Automotive model GREENbar® 1100 fuel hose no longer meets the performance requirements set forth in Cal. Code Regs., title 13, section 2754 when tested pursuant to Cal. Code Regs., title 13, section 2765.

Executed at Sacramento, California, this 26<sup>th</sup> day of May 2016.



Dr. Michael T. Benjamin, Chief  
Monitoring and Laboratory Division