

Truck and Bus Regulation Requirements for Street Sweepers

Last Updated: September 14, 2016

This summary applies to privately or federally owned on-road street sweepers with one or two engines. The Truck and Bus regulation does not apply to off-road sweepers or to state and local government vehicles because they are already subject to other regulations.

What requirements apply to street sweepers?

Street sweepers must comply with the regulation like other trucks. However, a sweeper with an auxiliary engine that is rated at 50 hp or greater must meet certain additional requirements as follows:

- Auxiliary engines must be upgraded when the drive engine is required to be upgraded
- Any Tier 0 auxiliary engine must operate less than 100 hours per year starting in 2014, and must be reported and labeled with the letters SW on both doors.

What are the general requirements for most trucks?

Lighter trucks with a gross vehicle weight rating of 14,001 to 26,000 lbs must be replaced from 2015 to 2023 based on their engine model year. Newer heavier trucks were required to be retrofitted with a PM filter from 2012 to 2014 and older heavier trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses will need to have 2010 model year engines or equivalent. A summary of compliance options is available at www.arb.ca.gov/msprog/onrdiesel/documents.php.

How are on-road street sweepers defined?

On-road street sweepers are defined as an on-road heavy duty vehicle, with a gross vehicle weight rating greater than 14,000 pounds that is used for removing material from road surfaces, by mechanical means through the action of one or more brooms, or by suction through a vacuum or regenerative air system, or any combination of the above. A two-engine street sweeper has an engine to propel the vehicle and an auxiliary engine rated at 50 hp or higher to power the broom or vacuum. The photographs below show an example of an on-road two-engine street sweeper.



What must I do if I have an on-road two-engine street sweeper?

When the propulsion engine is required to be equipped with a PM filter or is required to upgrade to a 2010 model year emissions equivalent engine (whichever is earlier), the auxiliary engine must also be equipped with a retrofit PM filter. The owner always has the option to upgrade to a 2010 model year emissions equivalent engine instead of installing a PM filter. No additional upgrades of the auxiliary engine are required after a PM filter is installed. For street sweepers with 2007 model year or newer propulsion engines, the auxiliary engine was required to be upgraded by January 1, 2014. Any street sweepers that have a Tier 0 auxiliary engine rated at 50 hp or higher must also operate below certain annual hour limits.

What are the requirements for sweepers with Tier 0 certified auxiliary engines?

Fleet owners with two-engine street sweepers must report information about their sweepers with Tier 0 engines (rated 50 hp and above) beginning March 31, 2010 and annually thereafter. Tier 0 engines may not operate more than 400 hours per year from 2010 through 2013, and must operate less than 100 hours per year after 2013. Fleet owners are required to report hour meter readings each January and are also required

While this document is intended to assist fleet owners with their compliance efforts, it is the sole responsibility of the fleet owner to ensure compliance with the Truck and Bus Regulation.

to permanently affix or paint an SW identification label on each sweeper that has a Tier 0 auxiliary engine. The letters SW must be white block lettering on a black background and both letters must be at least 3 inches high on a five by eight inch background. The label must be located on both the left and right door of the sweeper and in clear view at all times. The reporting system and user guides are available at: ssl.arb.ca.gov/ssltrucrsto/trucrs_reporting/login.php.

Am I still subject to portable engine requirements?

Yes, the auxiliary engine of a two-engine sweeper remains subject to the portable engine reporting requirements as well as registration fees through applicable air districts or the statewide registration program. For more information about local air district requirements, please contact the air district in which you will be operating the portable engine. Contact information can be found at: www.arb.ca.gov/capcoa/roster.htm. For more information about Statewide Portable Equipment Registration Program (PERP) reporting, please go to: www.arb.ca.gov/portable/portable.htm.

Are there any flexibility options that would allow me to delay the retrofit or upgrade of my engine?

Yes, there are a number of compliance extensions for individual vehicles within a fleet that can extend the compliance date for vehicles that are operated in certain areas with cleaner air and low use vehicles. Vehicle owners must meet the eligibility criteria and report by certain deadlines to use these flexibility options. More information on using flexibility options can be found on our website at: www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm

If I own an off-road street sweeper, what must I do to comply?

Single-engine and two-engine street sweepers that are designed for off-road use and are equipped with off-road certified engines are subject to the Off-Road Diesel Vehicle regulation. Fact sheets and information about the Off-Road Diesel Vehicle regulation are available at: www.arb.ca.gov/msprog/ordiesel/ordiesel.htm. Shown below is an example of an off-road sweeper at an airport, and a broom, typically used for construction.



Where can I get more information?

Fact sheets, compliance tools and regulatory documents about the Truck and Bus Regulation are available at www.arb.ca.gov/dieseltruck. If you have questions or wish to obtain this document in an alternative format or language, please call ARB's diesel hotline at (866) 6DIESEL (634-3735). TTY/TDD/ Speech to Speech users may dial 711 for the California Relay Service.

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