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IRONMAN™



**REDUCING
AIR POLLUTION.
ONE DIESEL ENGINE AT A TIME.™**

DIESELRETFIT.COM

Emissions Compliance, For Every Diesel Application.

As the recognized industry leader, Ironman has provided unsurpassed diesel emission compliance solutions since the California Air Resources Board emission regulations were originally established. Ironman's extensive experience across all diesel engine applications is the primary reason we are chosen by more California industries for complete emissions compliance management. Whether it's on or off-road, a public fleet, or one of the many other CARB regulation categories, Ironman can help you develop a comprehensive strategy that will ensure total compliance today and into the future.



Off-Road

Heavy-duty, off-road diesel equipment used in construction, mining and industrial operations is now under CARB regulation. Some examples of equipment subject to this regulation:

- Motive power (drive) engines with at least 25 horsepower
- All companies doing business in California, regardless of headquarters location or ownership
- Equipment that is designed and primarily intended to be used in off-road applications
- Examples: wheel loaders, crawler tractors, dozers, motor graders, excavators, skid steers, backhoes, forklifts, airport ground support equipment



Statewide Truck and Bus

The Statewide Truck & Bus Regulation is the statewide measure developed to reduce diesel particulate matter (PM) and other emissions from on-road heavy-duty diesel vehicles. This measure is the most comprehensive regulation in the state of California and covers almost all fleets that are not scoped under any other rule. Here are some of the criteria for the vehicles that are affected:

- Trucks over 14,000 GVWR
- Diesel trucks, buses, yard trucks
- All persons, businesses, or government agencies that own, lease, rent, operate or sell a vehicle in the state
- Examples: Concrete mixer, dump truck, drill rig, water truck, tow truck, buses



Drayage and Intermodal

The CARB Drayage Truck Regulation reduces emissions from diesel engines associated with the movement of goods. Drayage trucks are defined by the criteria below:

- On-road trucks hauling containerized cargo
- Drayage trucks that are diesel-fueled
- Trucks over 33,000 GVWR / Class 8



Clean Truck Program (CTP)

This policy is set by the ports of Long Beach and Los Angeles as part of their Clean Air Action Plan. Emission reduction is supported through a port-sponsored grant or loan subsidy.

- Requires NOx reduction
- On-road trucks hauling containerized cargo
- Diesel-fueled drayage trucks
- Trucks over 33,000 GVWR / Class 8



School Bus

Ironman has retrofitted hundreds of California diesel school buses to date. Compliance via retrofitting is ideal for school buses. Sample criteria for the buses in scope:

- All diesel school buses over 14,000 GVWR
- 1987 and newer model year diesel buses



Solid Waste

Since the Solid Waste Collection Vehicle Rule was adopted in 2003, Ironman has successfully retrofitted the majority of California's solid waste vehicles. Listed below are the vehicles impacted by this regulation:

- Vehicles over 14,000 GVWR
- MY engines from 1960-2006
- Vehicles collecting residential/commercial solid waste for a fee
- Examples: Roll-off vehicles, side loaders, rear loaders, and front loaders



Public & Utility

The Public Fleet & Utility sector is affected by a wide range of compliance regulations in California. Criteria for affected fleets:

- Vehicles over 14,000 GVWR
- Vehicles operated by public agencies, such as a municipality
- Vehicles operated by a privately-owned utility company providing the same or similar services as a utility operated by a municipality



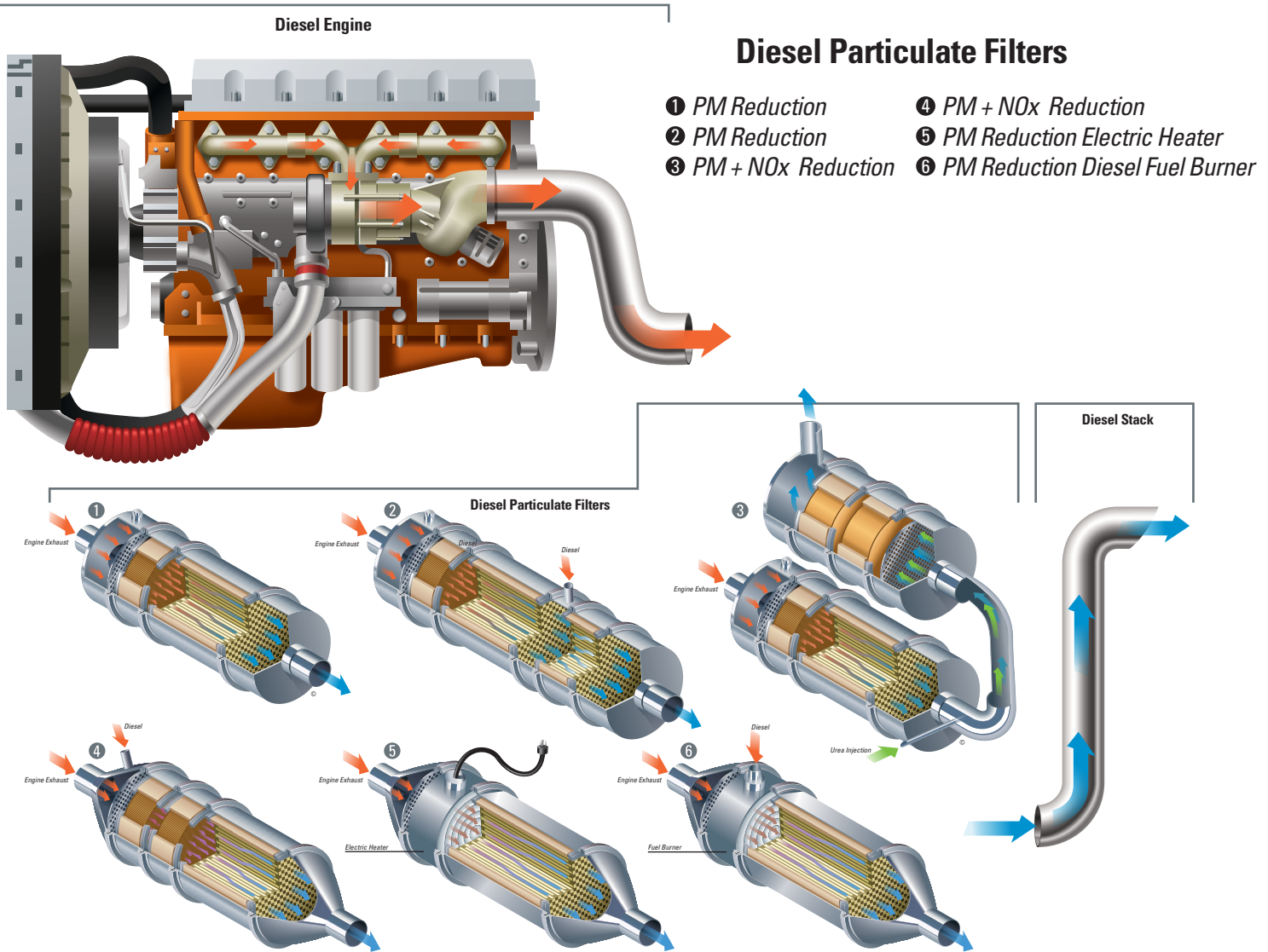
Other Regulations

Ironman can assess your fleet to determine if you are impacted by any other CARB regulations that target various market sectors, such as:

- Stationary Diesel Engines
- Diesel Powered Cargo Handling Machinery
- Transit & Urban Bus
- Transport Refrigeration Unit (TRU)
- Portable Diesel Equipment
- Greenhouse Gases

CARB Verified Technology For All Diesel Engines.

Ironman offers a remarkably broad range of proven verified technology options capable of meeting your every compliance need. Our strategic partnerships with industry leading manufacturers allow us to provide best-in-class, proprietary technologies for every vehicle category. Diesel particulate filters physically trap particles in the engine exhaust before they leave the tailpipe. In applications where engine temperatures are not high enough to allow catalyst-assisted regeneration, an auxiliary heat source such as an electric heating element or a fuel burner can be used to regenerate the filter.



Compliance Does Not Have to be Exhausting.

Since 2003, Ironman has successfully completed thousands of CARB compliant diesel retrofits, across the full range of heavy-duty on and off-road applications, giving us one of the highest success rates in California and the entire West Coast. Ironman stands ready to partner with you and develop an in-depth understanding of the specific needs of your fleet and equipment. Be confident that at Ironman, we are fully committed to providing you with the most comprehensive, cost-effective compliance strategy.

Funding/Grant Assistance

Ironman's in-house grant specialists work with your specific fleet requirements to identify and apply for the maximum grant funding available. Ironman will work with you every step of the way to help your company achieve compliance with the least possible impact to your bottom line.



Technology Assessment

No two fleets are the same. Ironman will data log and assess your fleet and offer equipment-specific CARB compliance recommendations. Comprehensive exhaust temperature testing is one of the most critical assessment criteria for compliance.



Opacity Testing

As a certified provider, Ironman can help you avoid fines by completing annual opacity testing requirements. The testing requirements apply to all heavy-duty vehicles traveling in California. Vehicles will be stopped for inspection at border crossings, CHP weigh stations, fleet facilities and roadside locations.



Auditing & Reporting

The Ironman IQ™ online database is a comprehensive reporting tool that allows you to track fleet compliance to meet reporting and auditing requirements. Accurate and complete installation history provides critical information required for annual reports



Annual Maintenance

The filter substrate needs to be cleaned or "de-ashed" at least once a year to maintain warranty status. Ironman can provide certified cleanings which includes proper hazmat disposal, to help assure optimal performance and compliance of your emissions device.



Mobile and Fixed Services

Whether you're a small fleet in a remote location or a large, multi-site fleet, our mobile installation teams can ensure minimum down time for your Fleet. Our fixed service locations throughout California provide another alternative for your comprehensive fleet retrofitting.



Guaranteed Workmanship and Installation Warranty

Investing in diesel emissions compliance retrofitting means installation accuracy is critical. We guarantee that all work will be done by Ironman manufacturer certified technicians. You can trust Ironman, based on our years of experience and thousands of diesel retrofit units installed. We provide the highest level of customer service and cost-effective emissions compliance.



Equipment Maintenance & Repair

Ironman's extensive service network throughout California is designed to provide owners with knowledgeable and experienced technicians for fast, efficient repair and preventative maintenance service.



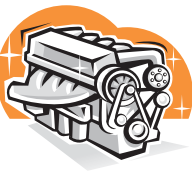
Verified Technology Warranty

Ironman manages the manufacturer warranty terms for customers, and fulfills all claims and warranty service requests. In addition, any fault deemed to be workmanship related will be guaranteed by Ironman.



Engine Renewal

Ironman Engine Renewal offers a high-quality, cost-effective way to lower fuel costs and restore your engine to its original power and emission standards. Our remanufactured engines and components are thoroughly dyno-tested to meet original OEM specifications.



Don't Take Our Word For It. Ask Our Customers.

CITY OF
SAN BERNARDINO



First Student



SSA Terminals™
A Matson and Carrix Collaboration

"Ironman Parts & Services has helped our Solid Waste Division, spec, data test, and retrofit twenty-six of our vehicles. We are impressed with Ironman's knowledge of CARB regulations for all industries. Ironman also offers the option of cleaning and maintenance of the retrofit units to always ensure we are within PM emission compliance, as well as obtaining the best fuel economy by burning cleaner. We have operated eight of their units for more than one year with no difficulties or issues. We have also had eighteen units in operation for several months with absolutely no problems. I would highly recommend Ironman Parts and Services for diesel retrofitting and maintenance."

George Newlin
City of San Bernardino
Equipment Maintenance Supervisor



"Ironman Parts and Services recently helped our statewide waste collection agency retrofit a large fleet of diesel trucks in multiple locations. We were very impressed with Ironman's knowledge of CARB regulations and their professional approach to guiding us through the process from start to finish. I would highly recommend Ironman Parts and Services for diesel retrofitting and maintenance."

Brian Beaudrie
Republic Waste Services



"Ironman has partnered with us to retrofit 400 school busses. We chose Ironman because of their extensive knowledge of School Bus related CARB compliance regulations and Best Available Technology for our vehicles. Ironman demonstrated the most comprehensive full-service approach from fleet assessment, emissions testing, installation of BACT, and long-term maintenance support to ensure our CARB compliance well into the future. We are confident in our choice of Ironman for emissions compliance and plan on continuing to partner with them for our future retrofit needs."

Bob Van Driel
First Student
West Coast Regional
Maintenance Manager



"SSA Terminals is a major player in the Ports of Long Beach and Oakland. I chose Ironman to help me obtain emissions compliance for all our off-road equipment such as top picks, yard hustlers, RTG's etc. Ironman was very knowledgeable and professional. They came out and tested our exhaust systems on the various equipment and presented a comprehensive plan for our wide variety of equipment and engine years. They also fabricated custom exhaust solutions for smaller pieces of equipment that are compliant and working very well in everyday conditions. Like most businesses in California, we considered this retrofit a serious investment of our time and money. I didn't want to worry about wasting thousands of dollars on buying the wrong solution or getting hefty fines from the State. We picked our retrofit provider carefully and I can confidently recommend Ironman to every industry in California to meet all their CARB compliance needs."

Steve Clark
SSA Terminals,
Port of Long Beach



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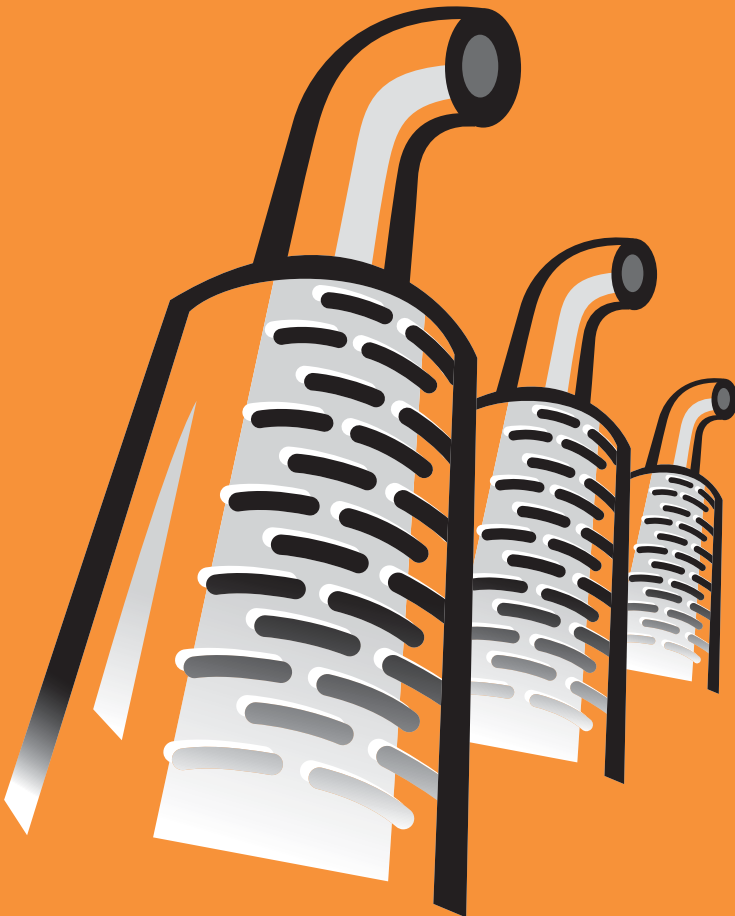
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