

Fire Apparatus

Fire Engine



It is a four-ton truck chassis vehicle with the pump for the water discharge of 2,000ℓ/m or over. It has a motor hose car, a hand-drawn hose car, a three-section ladder, a roof ladder, and others.

The fire coat resists the heat of up to about 400°C. The gear on a fire coat weighs about 20kg or more.

Firefighters may continue their operations for hours. They undergo severe training every day to develop their physical strength.



Small Fire Engine (with a water tank)



It is conveniently small for the great mobility in a small area. It has a 1,000-liter water tank, a fire extinguishing agent mixer, and others.

Water Tank Fire Engine



It is a main firefighting vehicle quickly approaching a fire or responding to other emergencies. It has a 2,000-liter water tank, a fire extinguishing agent mixer, and others.

Command Van



It is for the incident commander, the command controller, the information controller, and others. It serves as a "command and information post."

Foam Truck



It is for the disasters caused by gasoline and other hazardous materials. Hazmat fires are to be suppressed with water-mixed foam. The truck has water, fire extinguishing foam, and equipment.

A large foam truck has an A-1 class pump, a 2,700-liter water tank, two 1,500-liter foam agent vessels, a remote-controlled rooftop deck gun, a self-protection sprinkler against heat, and others.



Topic



Special Fire Striking Team

It is an elite unit of firefighters dealing with extraordinary fires. The expert members attack fires with leading-edge systems.

At fire scenes, they play a leadership role and take quick action to minimize damage. They are characterized by gold-colored helmets and black fire coats.



Equipment



- ① Battery-driven breakers
- ② Applicator nozzle
- ③ High performance rope



Ladder Truck

It is used for the rescue and water discharge at high-rise buildings, and also goes on the alert for emergencies.

The TFD has 86 ladder trucks with a 30- or 40-meter ladder. Notably, an articulated ladder truck can handle the incidents with electric wires in the way or at setback buildings. Ladder trucks play a vital role in Tokyo—a metropolis with a lot of commercial facilities and high-rise apartment buildings.



Firefighting Motorcycle

(Quick Attacker)



It is the off-road motorcycle with a red warning lamp and a siren. Two vehicles (Type I and Type II) respond at one time, and conduct firefighting and rescue.

Ambulance



It is a three-person crew vehicle equipped with advanced EMS systems. The TFD has paramedics in its ambulances to save as many victims as possible.

Squirt

It has a 22-meter, two-section boom tower for the water discharge at high-rise buildings and for the water/foam discharge from a height at the hazmat fire scenes with no easy access by firefighters.



Floodlight Truck



It is used for night-time operations, and as the emergency electric power supplier for equipment and facilities.

Special Hazmat Truck

It responds to radioactive, biochemical and other hazmat disasters. It has a self-elevating anemoscope, a self-elevating anemometer, an inside positive pressure system (not for all vehicles), and the space for gas analyzers and other equipment.



The positive pressure suit protects the wearer from toxic liquids and gases. It is an airtight protector with the wearer's breath making the inside "positive," and so there can be no toxic gas penetrating into the suit.



Infrared analyzer

Mass spectrometer

Rescue Truck (Type II)



It is a special rescue team vehicle with a winch, a self-elevating floodlight, a generator, about 500 rescue tools, and others.

Water Rescue Truck



It is a water rescue company vehicle to respond to the incidents caused by river overflowing, typhoon flooding, and so on. It has a scuba gear container, an outside ship equipment container, a lighting system, a shower space, rescue tools, and others.



Mountain Rescue Truck



It is an off-road, four-wheel drive vehicle with great mobility. This mountain rescue team vehicle has the roof carrier for a basket stretcher and other rescue tools and an automatic equipment shelf.



Fireboat

The TFD has ten fireboats totally in Rinko, Nihonbashi and Takanawa Fire Stations. For maritime safety, they go on guard against ship fires and coast fires, conduct firefighting and rescue, work for fire prevention inspections, and so on. They are on standby all the time.



Miyakodori



Hamakaze



Fireboat *Oedo*

It is the first tag boat in the history of Japanese fire service. It can handle victimized ships quickly and variedly.

Helicopter

The Aviation Unit has eight helicopters totally in the Tokyo Heliport (in Shinkiba, Koto Ward) and the Tachikawa Airfield (in Izumi-cho, Tachikawa City).



Helicopters conduct fact-finding, firefighting, mountain/river rescue, EMS activities for mainland/Izu Islands residents, and others. In addition, they respond to devastating disasters at home as part of the Emergency Fire Response Team.

The TFD will have additional helicopters in 2020 for the Olympic and Paralympic Games.



Fact-finding



Water bombing



Rescue



EMS

Special Apparatus



Freight truck



Maintenance utility truck



Supply truck



Fire investigation truck



Heavy apparatus carrier



Two-armed wreckage remover



10-ton water tank truck



Decontamination truck



Drag shovel



Inspection & PR car



Material transporter



Command & control truck



Fuel supplier



Reconnaissance truck



Communications control van



Utility truck



Ventilation & high expansion foam truck



Special ambulance (Type II)
(Super Ambulance)

