

# HINO

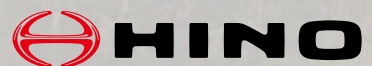
## 500 Series

Driven to Perfection

<http://www.hino-global.com>

### HINO 51018 (FC)

- Vehicles (trucks) shown in this catalog have been designed with special specifications for the purpose of these photos.
- Specifications including cab color and various devices may differ in part from production models.
- Certain devices shown in this catalog may not be installed in some models.
- Dimensions and devices shown in this catalog may be changed without prior notice. Please contact your nearest dealer for details.
- Please note that load capacities may change should there be an increase in vehicle weight due to load area designs or special specifications.
- In handling the vehicle, please read the relevant instruction manual carefully and operate the vehicle properly.
- Colors shown in the photos may differ from the actual colors due to photographing and printing conditions.



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Offering reliability is the heart of HINO

What we aimed for in the HINO 500 Series was a level of “reliability” that would make sense to many of its users. In addition to its fuel-efficient and low-emission design, the HINO 500 Series is designed with the aim of delivering powerful driving performance, high durability, ergonomic comfort as well as good transport quality and flexible body-building capability. With good levels of performance all round, the HINO 500 Series is an embodiment of HINO’s no-compromise spirit of product development and its advanced technologies—the result of tests repeated many times based on data gathered from various countries around the world. However, the HINO 500 Series’ claim to “reliability” rests not only on the reliability of the product itself. HINO is able to continue advancing as a reliable business partner to our customers only because of its after-sales support system and our efforts to respond to customer requests to the best of our ability. If you demand levels of “reliability” that exceed expectations in a medium-duty truck, we believe you will eventually arrive at the HINO 500 Series.

## HINO 500 Series





Tomorrow's technology for today's environment

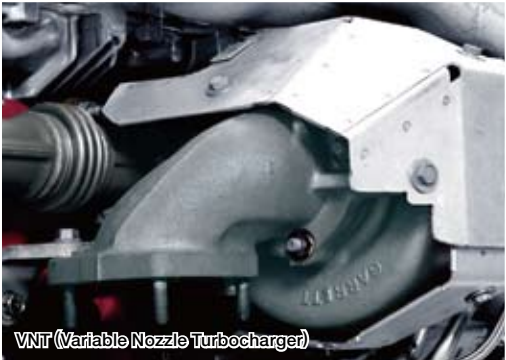
HINO 52427 (FL)

# A clean truck that delivers both low emissions and fuel efficiency.



**J Series engine**  
This engine is designed to bring together environmental friendliness and fuel efficiency.

HINO's passion for R&D is what drives all aspects of HINO's environmental features. The J Series and A Series engines on the HINO 500 Series are based on low-emission, fuel-efficient technologies that HINO can be proud of. For example, the engine employs a "common rail fuel injection system"—a cooperative engine control system—with the aim of achieving optimum control of the fuel injection process to produce low NOx and PM emissions as well as enhanced fuel efficiency and low CO<sub>2</sub> emissions. The EURO 4 and EURO 5 engines are equipped with a "variable



VNT (Variable Nozzle Turbocharger)



Cooled EGR



Optimized aerodynamic design

nozzle turbo charger," which contributes to precisely controlling the volume of air, and an EGR cooler, which contributes to delivering good cooling efficiency and low pressure loss. By coordinating and controlling these parameters, our aim with these engines was to deliver good fuel efficiency, reductions in NOx and PM, and significant reductions in black smoke from exhaust. The engine units of the HINO 500 Series are designed with the aim of delivering low emissions as well as good fuel efficiency—a contributor to reducing the operation costs of businesses.

**VNT (Variable Nozzle Turbocharger)**  
The turbocharger achieves high power by sending compressed air to the engine.

**Cooled EGR**  
"Cooled EGR" is based on a spiral design that helps deliver effective cooling. We also aim to make maintenance easier by using a variable EGR instead of the conventional valves.

**Optimized aerodynamic design**  
The HINO 500 Series' styling is based on our aerodynamic research and helps enhance fuel efficiency.



# High levels of durability, reliability, and driving performance.

There is a reason why a large number of existing customers of the HINO 500 Series have good things to say about the Series' durability, reliability, and driving performance. It is that the HINO 500 Series is designed with the aim of meeting the benchmark that requires its best potential to be delivered under harsh operating conditions. The truck's development was based on studies of various operating conditions around the world. Additionally, we have gathered trucks that have been on the road under various conditions for 1-1.5 million kilometers and studied them. We then derived vehicular and performance specs based on these data, and conducted various tests throughout the development process. This was how this series was developed. Because of this background, we believe every single part delivers high durability, and the HINO 500 Series of trucks delivers powerful driving performance while achieving low emissions and good fuel efficiency. We hope that this truck, which you may be encountering soon, will meet your expectations, too.



HINO 52627 (FM)



HINO 52627 (FM)



Wave pitching road test



Roll-angle test



Rough road durability test

**HINO's testing and evaluations**  
In addition to evaluating and analyzing the basic performance and safety of HINO products on a range of testing systems, we conduct tests for fuel efficiency, driving performance, and cold weather performance on test courses. We also evaluate the functions of parts and the characteristics of resin polymers on test benches. Only after passing various tests and undergoing test drives that exceed several tens of thousands of kilometers are HINO products delivered to customers with our confidence.



HINO 52627 (FM)

Power with durability



Making the efforts to transport confidence



HINO 51024 (FD)

## Good transport quality is another defining feature of HINO trucks.

The HINO 500 Series has been developed with attention to “transport quality” with the aim of developing a truck capable of delivering products such as perishable food and precision equipment in the best possible condition. The air suspension helps absorb vibrations from road bumps that can be a major cause of cargo collapse and damage. With flexibility and good rigidity, the taper-leaf suspension helps deliver both vibration absorption and durability. And then there is the multiple-leaf suspension that is designed to deliver high durability. Using different variations of these suspensions, the HINO 500 Series comes in a variety of model variations that take into account different operating environments and conditions and what the truck will be transporting. In addition,

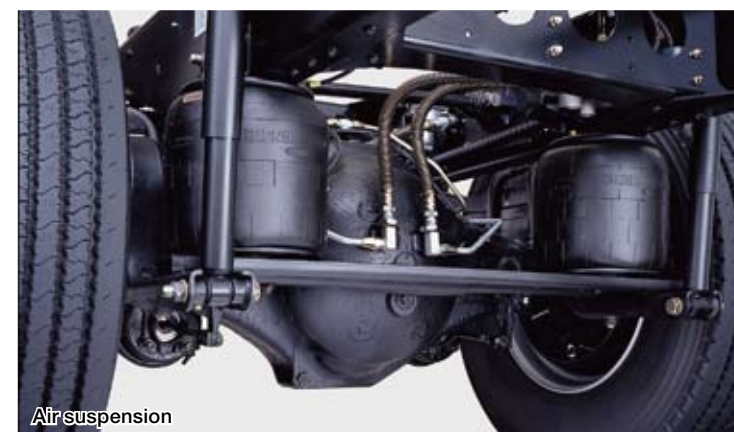
some models come with a height control system for adjusting the height of the rear body, which helps reduce cargo damage during cargo loading and unloading. It is only because we place importance on the success of our customers’ businesses that we offer these “transport quality” features found in the HINO 500 Series.

### Air suspension

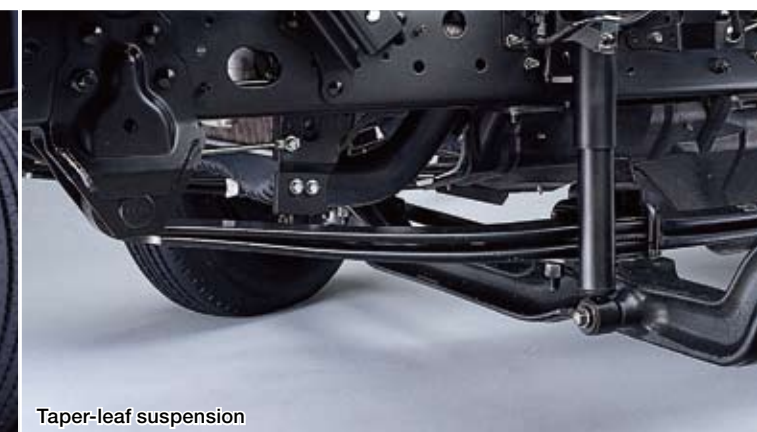
The air suspension is designed to help reduce vibrations from road bumps and achieve good transport quality.

### Taper-leaf suspension

With fewer leaves, the taper-leaf suspension is designed with the aim of producing less inter-leaf friction and delivering a flat riding feel. With fewer high-strength components, the suspension also delivers high durability.



Air suspension



Taper-leaf suspension





## The driver's space is packed with various ideas.

The concept keyword for the driver's space is "Roundish & Flat Space Interior." The top edge of the instrument panel is designed low to keep good front visibility. Switches used while driving are all laid out for easy viewing and operation. In addition to good visibility and operability, the interior environment of the HINO 500 Series is loaded with various ideas that aim to deliver a sense of security and envelop its occupants such as the driver's seat, which has been designed to provide a good bucket seat feel, the cabin's spacious leg room, and its black/gray interior, which gives the cabin a premium feel.

### Driver's seat

The seat is equipped with a variety of adjustments (including front-back and up-down) for an appropriate driving position. This helps drivers find a comfortable driving position.

### Steering

The steering wheel's position is adjustable up and down.

### Instrument panel

The meters' faces are lit with LED to help ensure good visibility and long operating lifetimes.

### Suspended pedal unit

These pedals are designed with the aim of allowing drivers to step down on the pedals towards the floor in a natural motion without having to fully extend their foot. The pedals are also adjusted to the ideal height with the aim of reducing fatigue.



Driver's seat



Steering



Instrument panel



Suspended pedal unit

Pursuing further comfort



# Flexible body-building capability meets various needs.

Customers in many countries around the world continue to use the HINO 500 Series for its performance, powerful driving performance, good environmental friendliness, and fuel efficiency. But not only that; another reason that this series of trucks is popular in various countries is, we believe, that they are easy to body-build and easy to do so locally. They can be suited to the user's needs thanks to their good body-building capability. In order to maintain

a sufficient body-building area, the HINO 500 Series adopts a chassis layout where the air tank and brake peripherals are located behind the cab. Also, nylon air tubes and aluminum air tanks are used in order to give the truck ample loading capacity. What will you carry? What kind of body do you plan to build to carry it in? The HINO 500 Series is designed to have the flexibility to meet these needs and evolve into a truck that is suitable for your business.



HINO 51227 (GD)



HINO 52632 (FM)



HINO 51024 (FD)



HINO 52627 (FM)



HINO 52627 (FL)



HINO 51322 (GT)



HINO 51022 (FT)



HINO 51727 (GH)



HINO 51527 (FG)





HINO is always at your side

We give thorough maintenance advice to our customers



Our road service offers help in case of breakdown on the road



Supply system for genuine parts



Seminars on eco-friendly driving



Seminars on daily inspections



Describing the vehicle to customers before purchase



Training for technicians



HINO's provision of various services as a business partner

## HINO's total support system maintains the reliability of its trucks.

Once you become an owner of a HINO truck, you will gain access to our total support system that includes choosing the right truck for your business, free inspections during the early months of your ownership, and periodical maintenance, as well as high-quality service, supply of genuine parts, and our ability, as a business partner, to propose solutions to any problems you may encounter. How can we keep our customers' trucks operating with no down time?

How can we offer total support for our customers' businesses? In order to create a more robust support system that helps us realize these goals, HINO makes its best efforts to enhance the quality of support based on our "Customer First" philosophy and our policy of never being content with the status quo. An example can be seen in our efforts to train technicians to enable us to provide the same level of quality service in different situations. Additionally, we implement services where

if a truck breaks down on the road, a technician is dispatched to repair your vehicle. We also conduct a range of useful activities, such as seminars on eco-friendly driving held in various countries. We hope this support system gives you the peace of mind that HINO is always at your side, and is one of the essential parts of the reliability of the HINO 500 Series.

