



Quon

Innovation that puts people first.

CARGO



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Going the Extra Mile



Innovation that puts people first.

People depend on logistics, and logistics depends on people. We go the extra mile to make the trucks the world needs today, products that get the job done.

That means meeting the needs of the times through evolutions in smart technology and human design—qualities that define our latest truck.

The all-new Quon embodies innovation in five essential areas to meet today's diverse business needs. Innovation that puts people first.

It's the next-generation truck for the age of smart logistics.

With innovation that puts people first,
our next-generation trucks feature
design enhancements in five major areas

QUON



Smart safety P18~

Safer and more dependable

A variety of advanced safety technologies, such as the Traffic Eye Brake System and the Driver Alert System, make safe driving easier than ever before.

Disc brakes with high heat dissipation and superior fade performance are available on all models.



Smart productivity P22~

Better productivity, better efficiency

We've reduced the weight of all models, improving load handling and suspension.

As a result of this lower tare weight, carrying capacities have increased across the entire range.



Smart uptime P24~

Longer service interval for greater peace of mind

The new Quon offers comprehensive after-sales services, such as "UD Genuine Service", "UD Genuine Parts", "UD-TRUST: Service agreement", and "UD Information Service including telematics".

This combination provides an unprecedented level of uptime, as well the comfort of predictable costs and the knowledge that your UD is receiving the best parts and service available.



Smart drivability P10~

Easier to use, smoother to drive

Completely re-designed cockpit provides greater driver comfort. ESCOT-VI automated manual transmission is the next evolution in unparalleled operability.

Disc brakes, available on all models, provide a quick and smooth response and excellent braking power.

All these innovations contribute to a comfortable environment for drivers.



Smart fuel efficiency and environment care P12~

Cleaner and more powerful

Refinements to the driveline have achieved a high level of fuel efficiency that contributes savings directly to the bottom line.

The fuel-efficient, powerful, and clean "GH11 Engine" exceeded heavy-vehicle fuel economy standards during testing in Japan by 5%, while also complying with stringent pPNLT Emissions Standards that exceed Australian emission requirements.

Advanced exterior with a focus on efficiency and function



Our design goal was to develop trucks that drivers are proud to drive. As well as a sophisticated functional look, the Quon's aerodynamic shape contributes to fuel efficiency. A low cabin design with two-step entry/exit enables smooth and safe entry to and exit. The headlamps use power-saving, long-lasting LED lamps, for bright, clear light that improves night-time visibility for safer driving.



Superior Aerodynamic Performance

Airflow is directed smoothly from the flat front face to the corners of the truck. The new shape of the wind deflector also improves fuel efficiency.





Comfortable interior based on design that "puts people first"

We have re-examined the fundamentals of operability and visibility based on ergonomics. The result is a completely re-designed dashboard area, steering wheel, gear lever, and brake pedals. Combined with an instrument panel that provides excellent visibility, these new designs provide a comfortable environment so the driver can concentrate on driving. The black and silver cockpit has a sophisticated atmosphere, with careful attention to details that improve the driver's comfort.

Comfortable and efficient driving performance

"ESCOT-VI" - the latest evolution in 12-speed automated manual transmission - disc brakes, and an interior designed for driver comfort provide a sophisticated and comfortable driving experience that reduces driver stress and fatigue.



Unparalleled operability: "ESCOT-VI"

"ESCOT-VI", provides advanced gear change control and suppresses fluctuations in fuel efficiency. Enhancements to hardware and software control achieve fast and accurate gear changes. The result is close to the control and performance of a professional driver. Quick and smooth gear changes reduce the driver's level of stress and fatigue and contribute to safe driving. Performance is also improved on uneven surfaces and muddy roads.

Simple and easy-to-use gear lever

The "ESCOT-VI" gear lever uses a straight shifting pattern, an evolution in simple and easy-to-use design.

- R : Reverse ----- For smooth driving in the reverse direction at slow speed
- N : Neutral ----- Gear lever position for when the truck is parked
- D : Drive ----- Programmed for the quick gear changes and fuel-efficient driving of a professional driver. Pressing and releasing the accelerator pedal will cause the vehicle to sway, improving performance on uneven roads and in muddy areas. You can also use the convenient +/- button on the right side of the gear lever to change up and down.
- M : Manual ----- Manual mode



The system provides a full set of switches to set, change, and cancel vehicle speed. There's also an ECO OFF switch to change between ECO mode and ECO OFF mode

Traffic Eye Cruise Control

This system uses millimeter-wave radar to detect the vehicle in front and maintain a fixed distance from it. If the vehicle in front accelerates, the Quon will accelerate within the range of speed and distance the driver has set using the switches on the control panel. You can set a speed of 30 km/h or higher, and if the Quon's speed falls below 15 km/h Cruise Control function self-cancels.

* ECO Mode and Traffic Eye Cruise Control are available only with "ESCOT-VI".

4-Spoke Steering Wheel

Using ergonomic research, we re-designed the shape of the steering wheel, to give a more comfortable grip that reduces driver fatigue. We've placed the most important switches conveniently for easy access to functions and information, and ensured that the driver's line of sight and operation are along the same axis, for efficient, safe, and reliable operability.

Instrument panel with excellent visibility

We've arranged the driving information and LED indicators on the instrument panel in an easy-to-understand layout that provides excellent visibility. Information is displayed in zones arranged according to warning priority, with the most important information at the top. A large, 5-inch color LCD multi-display is mounted in the center of the instrument panel.



Dashboard designed for driver comfort

We've designed a functional black-and-silver dashboard that skillfully combines straight lines and curves. This design enhances driver operability and visibility and provides the optimal arrangement of multi-display monitor, switches, equipment, and instruments. Switches are set to light up when in use and at night, so the state of any switch can be easily understood with a quick glance.



Disc brakes for reliable and powerful braking

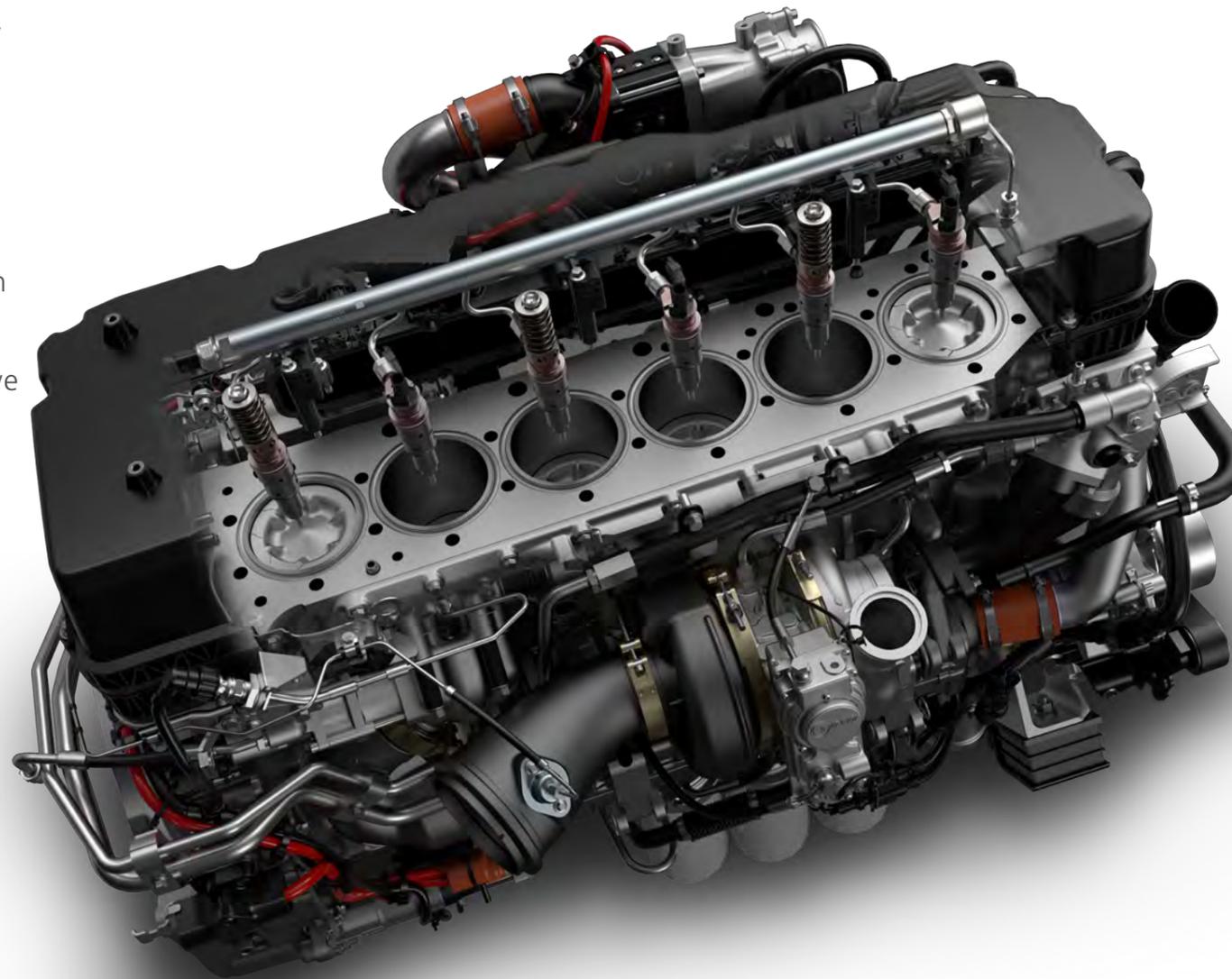
Disc brakes are available on all models to give a quick and smooth brake pedal response and reliable braking, even on long descents when hauling a full load. By combining a variety of advanced brake systems, such as brake blending and an Emergency Braking System (EBS), we have achieved comfortable braking that is easy on cargo, while also reducing driver fatigue.

Driveline with advanced fuel efficiency

The Quon driveline is available on all models.

It features the clean "GH11 Engine" with improved horsepower and torque, and the "ESCOT-VI" automated manual transmission with enhancements to fuel efficiency.

The driveline uses advanced technology to achieve high fuel efficiency and smooth, comfortable driving with little fatigue.



Fuel-efficient, powerful, clean "GH11 Engine"

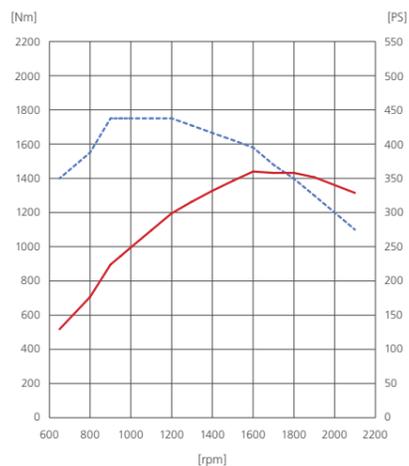
The "GH11 Engine" uses the unique properties of both a unit injector and a common rail system. The GH11 generates power torque in a wide revolution range, starting from low revolutions, and features a new fuel injection system and changes to the shape of the combustion chamber. These advances enabled the GH11 to exceed Japanese heavy vehicle fuel economy standards by 5%, and to comply with the stringent pPNLT Emissions Standards, which exceed Australian emission requirements.

"ESCOT-VI" road prediction for enhanced fuel efficiency

Evolutions in the hardware and software controls of the "ESCOT-VI" 12-speed automated manual transmission enable the transmission to predict road variations, suppressing fluctuations in fuel consumption and increasing fuel efficiency.

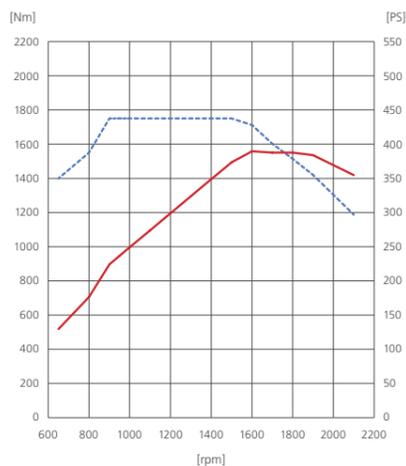
GH11TA360PS

265kW(360PS) / 1,600rpm
1,750Nm(178.5kg·m) / 900-1,200rpm



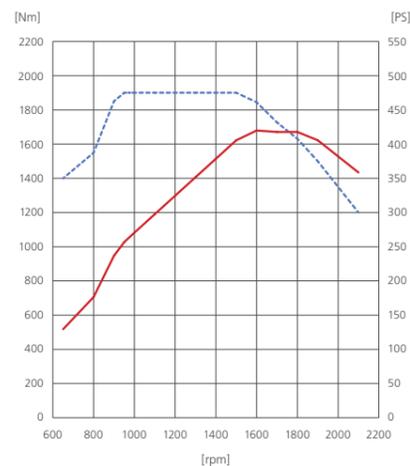
GH11TB390PS

287kW(390PS) / 1,600rpm
1,750Nm(178.5kg·m) / 900-1,500rpm



GH11TC420PS

309kW(420PS) / 1,600rpm
1,900Nm(193.7kg·m) / 950-1,500rpm



"FLENDs" Selective Catalytic Reduction system

UD Trucks has introduced "FLENDs", the world's first Selective Catalytic Reduction (SCR) system in a heavy-duty truck. By combining an enhanced fuel injection system with an SCR processing system, FLENDs enhances both UDPC performance and SCR catalyst purification performance, enabling the engine to comply with the stringent pPNLT Emissions Standards, which exceed Australian emission requirements.

Advanced functions for enhanced fuel efficiency

When the driver starts Quon, ECO mode, ESCOT Roll, Acceleration Limiter, Soft Cruise Control, and other features automatically turn on. Fuel-efficient driving begins as soon as the engine is turned on.



GPS functions help to enhance fuel efficiency:

- ECO Mode ON
- Cruise Control ON
- Vehicle speed 60km/h or faster
- Ascending and descending hilly roads





Fuel-efficient driving in ECO Mode

ESCOT Roll and other functions that enhance fuel efficiency are engaged as soon as the engine is turned on.

ESCOT Roll

This function enhances fuel efficiency while coasting, by reducing fuel consumption due to re-acceleration. It comes on automatically if certain conditions* are satisfied while in ECO mode. If the truck goes too fast while Traffic Eye Cruise Control is ON, ESCOT Roll cancels automatically.

* When the gear lever is in the D range, the exhaust brake switch is OFF, and coasting in 7th gear or higher on a flat road.

Acceleration Limiter

The acceleration limiter is programmed to limit sudden acceleration above a certain level—even when flooring the accelerator pedal—to enhance fuel efficiency and maintain stable driving. If acceleration is required, the driver can hit the ECO OFF switch on the steering wheel to remove the limitation on strong acceleration.

Soft Cruise Control

Cruise Control suppresses sudden acceleration, controls engine speed, and returns the truck to the set vehicle speed, to provide excellent fuel efficiency.

Safety functions that predict risk

Safe driving is easier if the truck can predict potential dangers and warn the driver as quickly as possible. To do this, Quon includes advanced safety systems such as the Traffic Eye Brake System and the Driver Alert System.

The goal is to achieve "safety that puts people first" by providing safe driving conditions for drivers, while maintaining safety in the surrounding environment.

Safety has been baked into all basic features, such as disc brakes with high heat dissipation and superior fade resistance available on all models.

Active safety: Predicting risk for driver safety

Traffic Eye Brake System

This system uses millimeter-wave radar and a camera to monitor the area in front of the truck. If it detects a potential collision it sounds an alarm, displays a warning lamp and a warning message. If the truck continues to close on the vehicle ahead, the system applies the brakes automatically to slow the truck and prevent the collision.

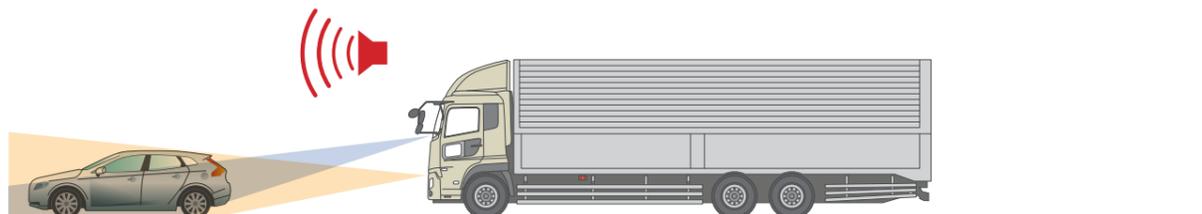
Traffic Eye Brake System Operation Figure



1. Uses both millimeter-wave radar and camera to monitor conditions in front of the truck.



2. While driving, if the system detects a chance of collision with the vehicle ahead, it sounds an alarm and displays a warning indicator to alert the driver.



3. If the vehicle gets close enough for a collision to be possible, the system quickly applies the brakes to reduce the potential damage from a collision.

* The Traffic Eye Brake System provides assistance for safe driving, but does not guarantee that all collisions will be avoided. It might not be possible to use this system in some road, vehicle, and weather conditions. Please take care to drive safely without relying on this system.

Passive safety: Suppressing damage to a minimum

SAFES CABIN

- Highly rigid cabin
- Side door beams
- FUPD & RUPD*
- SRS airbags
- Seat belts with pre-tensioners
- Steering wheel & column with impact absorption function

*Front Under run Protection Device & Rear Under run Protection Device

Active safety: Predicting risk for driver safety

- Traffic Eye Brake System
- Traffic Eye Cruise Control
- Driver Alert System
- LDWS (Lane Departure Warning System)
- UDSC (UD Stability Control)

Basic safety: Contributing to reducing fatigue while driving, supporting safe driving

- LED Headlamps
- Safe Brake Blending
- Disc brakes
- Immobilizer
- Emergency Braking System (EBS)
- Easy two-step entry/exit & long grip (driver's side)
- UD Extra Engine Braking (UD EEB)

Traffic Eye Brake System Components

The Traffic Eye camera functions as a sub-sensor when detecting stopped vehicles.



The Millimeter-wave radar functions as the main sensor when detecting the vehicle ahead.

SAFES CABIN

Traffic Eye Brake System

UDSC

Passive safety

Active safety

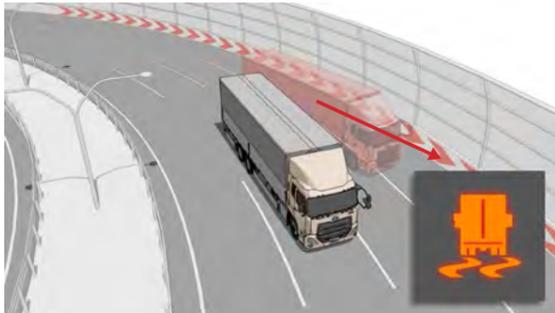
Basic safety

Active safety: Predicting risk for driver safety



Driver Alert System

The in-cab camera analyzes the positional relationship between traffic lanes and vehicles, and estimates the driver's level of concentration based on irregular or shaky steering. If the system determines that the driver's level of concentration has dropped, it activates a two-step alarm and displays a warning message on the multi-display to alert the driver and suggest a break.



Drifting (snowy roads, etc.)

UD Stability Control (UDSC)

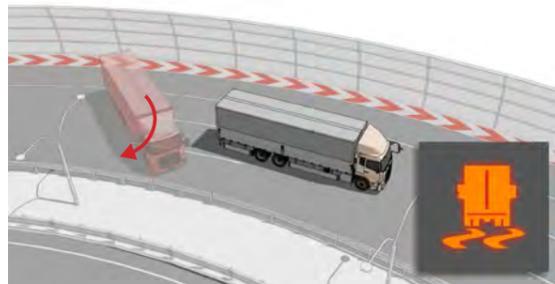
If the UDSC sensor detects conditions in which the truck could become unstable, such as curves or slippery road surfaces, the system applies suitable control to engine output, brakes, and braking power to each tire to keep the truck stable. UDSC is available on all models.



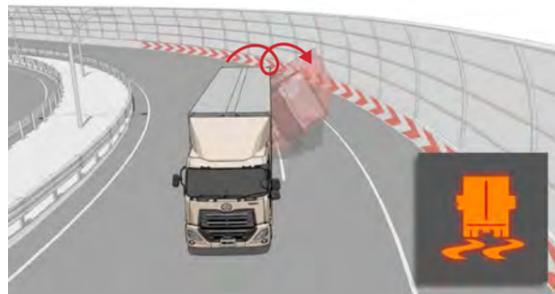
Lane departure warning system

The in-cab camera detects the traffic lanes to the left and right. If the driver unintentionally leaves the lane while driving at 60km/h or faster, the system sounds an alarm and flashes an indicator.

* This function is not triggered if the brakes and turn indicators are used.



Spinning



Rollover

Basic safety: Reducing fatigue while driving

LED headlamps

The long-lasting LED lamps used for low beam provide a bright and clear light to improve night-time visibility for safe driving.



Disc brakes

Disc brakes with high heat dissipation and superior fade resistance provide reliable braking performance even on long descents. Because they are less susceptible to water penetration, they also provide stable braking performance even in adverse conditions. They respond quickly and smoothly to the brake pedal and reduce the impact of braking, to prevent damage to your valuable cargo.

Emergency Braking System (EBS)

This system uses dual monitoring with a millimeter-wave radar and camera to warn the driver of a potential collision with the vehicle in front. If the chance of a collision increases, it applies the brakes automatically to reduce damage.

UD EEB (UD Extra Engine Braking)

The UD EEB function on the GH11 Engine maintains a high engine rpm to ensure maximum auxiliary braking performance.

Safe Brake Blending

Brake blending provides superior braking efficiency and optimal balance between the main brakes and auxiliary brakes, simply by pressing the brake pedal.

Immobilizer

You can only start the engine with the dedicated key, helping to reduce the risk of vehicle theft. The immobilizer is equipped as standard on all models.



Long Grip on driver's side and two-step floor height

Long grip and two-step entry/exit make it easier to get in and out, while the floor height has been lowered to improve direct visibility.

Passive safety: suppressing damage to a minimum

SAFES CABIN

"SAFES CABIN" is a highly-rigid cab equipped with safety features. This cab provides improved collision safety by suppressing deformation in the cab around the driver, through enhanced strength balance in side door beams and cab structure. There are also features that reduce damage in a collision, such as seat belts with pre-tensioners, SRS airbags, and impact-absorbing steering wheel and steering column.

FUPD and RUPD are equipped to reduce damage to passenger vehicles and their drivers, by preventing them from being dragged under the truck if there's a collision.

Basic safety

Disc brakes

EBS

Safe Brake Blending

LED headlamps

Chassis designed for maximizing payload

The key to efficient transport is superior loading performance.

Quon uses disc brakes and high tensile steel plates for the main frame to reduce the vehicle's weight for improved loading performance.

Our chassis designs also emphasize body mounting efficiency to provide a greater range of options.

Reduced vehicle weight

Disc brakes and high-tensile steel plates for the main frame reduce weight to improve overall productivity.

Light and strong frame

High-tensile steel plates and reduced height of the frame cross-section maintain strength, while reducing weight, to achieve further improvements in loading performance.

Improved load handling, uneven load adjustment function

The uneven load adjustment function automatically adjusts any lateral differences in height on trucks with new air suspension. This improves handling when loading from the side of the truck.



A new air suspension with increased height adjustment range

The 6x2 and 6x4 configurations feature increased adjustment range. This enables optimal height adjustment for the cargo loading environment, with an adjustment width of +140mm upward from the neutral position. This allows optimal height adjustment for the cargo handling environment.



Reliability and durability you can count on

Highly reliable and durable trucks are essential for maintaining a high level of uptime and providing a distribution business that shippers can trust. By achieving a high level of quality across the entire truck, quality that has passed tests in strict environments, Quon gives your business the reliability and durability you can count on.

Chassis for superior reliability and durability

To prevent rust, we've used steel plates treated for rust prevention and resin parts in the cab, and cationic coating and resinification in the chassis. We've further improved rust prevention through a resin AdBlue® tank and a salt-water-resistant coating on the frame, to promote a long service life and provide excellent protection against rust in snowy regions.

* AdBlue is a registered trademark of the German Association of the Automotive Industry (VDA).



Rigorous testing in cold environments

We conduct a variety of tests that simulate the harshest conditions in cold environments. We confirm that the engine will start in one try, we check disk brakes and UDSC (UD Stability Control) to verify driving stability on frozen roads, and we simulate the driving practices of our customers to verify improvements for driving on snowy roads. These functions also improve performance in muddy areas. Such rigorous tests improve the reliability and durability of Quon.

* The starting assistance function for snowy roads and muddy areas is equipped as standard only for "ESCOT-V".



Advanced maintenance for a high level of uptime

A high uptime is critical for the distribution business, and the key to uptime is ensuring the required maintenance is done at the optimum intervals. An excellent level of maintenance for your Quon and the long intervals between the replacements of genuine parts greatly contribute to reducing the life cycle cost.

Hub bearing unit for improved maintenance

Shield type hub bearing unit, for improved maintenance during inspections.

Cab for easy daily maintenance

All of the equipment that is required when performing daily inspections is located on the front lid, for improved efficiency during inspections. The cab tilts to 65 degrees for a large work space.

* The front lid should be opened before tilting the cab.

Periodic replacement parts and long replacement intervals

We use disc brakes that do not require expanders, and have reduced the number of parts that need to be replaced regularly. The differential gear oil that we use is a high-quality synthetic oil that is highly heat-resistant and does not degrade easily, enabling longer replacement intervals.

Long-lasting LED headlamps

We use long-lasting and power-saving LED lamps. There is little degradation from turning the lamps on and off, and they provide clear and bright light for a long time, contributing to a low running cost.



Maximizing uptime as the decisive factor in business: "UD Extra Mile Support"

After delivery, maintenance using the latest technology and genuine parts is important for maximizing uptime, driving performance, fuel efficiency, and safety.

With "UD Genuine Maintenance", our knowledgeable and experienced mechanics perform the optimal maintenance with UD Trucks' specialized tools.

We believe that genuine parts provide peace of mind, and our high-quality "UD Genuine Parts" that have passed strict tests contribute to maintaining quality for a long period and maximizing uptime.

If you do experience trouble, our nationwide service network provides prompt support to keep downtime to a minimum.



"UD Extra Mile Support" Solutions

Fuel efficiency, improved uptime, and full support if trouble occurs



UD Genuine Service

With the UD Trucks service network, our professional service staff uses UD Trucks' specialized tools, computerized vehicle diagnostic equipment, and high-quality genuine parts to support our customers.

- Customized UD service planning based on the conditions of customers' trucks, for peace of mind from the time they are delivered



Service agreement "UD-TRUST"

UD Trucks provides high-quality UD genuine service based on a maintenance plan created according to your uptime conditions. Details required for truck maintenance are packaged in a Maintenance Agreement that maximizes uptime, including:

- Vehicle inspections, regular inspections, and preventive maintenance performed by professionals using reliable technology, for daily peace of mind.
- UD genuine maintenance using UD genuine parts.
- Optimal preventive maintenance with a nationwide service network.
- Improvements in uptime and fuel efficiency to reduce total costs.
- Flat-rate cash flow management plan for the effective use of funds.



UD Genuine Parts

Genuine parts that are designed and developed for UD must pass strict tests to ensure that they provide a stable level of quality and a high level of durability. We also provide prompt support with a full inventory of parts and a system for their speedy delivery.

- Maintain truck performance and quality.
- Reduce occurrence of unexpected faults, and maintain a high level of uptime.
- UD Trucks part warranty.
- Inexpensive and high-quality exchange parts.



UD Warranty

Our manufacturer's warranty provides support for safe driving.

- In addition to 12-month warranty, drive system parts are covered for an additional 12 months (or 200,000km, whichever comes first)

* For more information about the details of the warranty, please refer to the Warranty Sheet.



Vehicle hand over program

During delivery to customers, we provide easy-to-understand explanations about operation methods, vehicle maintenance schedule, and service networks, as well as explaining how best to use the functions and features of the truck.



UD Road Support

Coordinators with specialized knowledge are assigned to each of our call centers. They work closely with our nationwide service personnel who have received specialized training, to provide prompt and efficient customer support.

- Step-by-step customer support 24/365, with a single phone call.
- Truck condition and location information you provide is shared with service personnel, for efficient resolution of issues and departure time.
- If on-site assistance is required, we dispatch personnel promptly from the location nearest to you.

*UD Road Support requires a service agreement in advance.



UD Information Service

We provide a "Fuel Efficiency Report" with driving analysis/advice for each truck, and "Reliable Uptime Support" with remote analysis of trucks using communication networks.

- Pre-loading preparation using remote analysis, reduction of analysis time after loading, and support for prompt return to the road.
- GPS for detecting truck location.
- Advice to improve fuel-efficient driving skills with fuel efficiency report.
- Improvements in uptime and fuel efficiency to reduce total costs.
- Dynamic vehicle management system to set recommended optional and extensible parts from top manufacturers.



UD Financial Service

UD Trucks provides integrated financial services. UD Financial Services understand our customers' businesses, and provide detailed solutions based on their requirements. Services such as leases, hire purchase, and maintenance services, all provided within a collective agreement

- We use accumulated information in our maintenance database to provide maintenance services are focused on preventive maintenance.
- We limit unnecessary parts replacement through integrated management of maintenance history for each truck.
- we provide information about re-sales for used trucks.