

# LADOG

Vehicles and equipment for municipal  
operations, industry and agriculture

Experience  
that delivers!

**LADOG**  
EURO 6



versatile • economical • proven

3	Foreword
4 - 5	Over 95 years of experience - a success story
6 - 7	Introducing LADOG
8 - 9	Our services
10 - 14	The right LADOG
15	Technical data (standard equipment)
16 - 22	The LADOG in action
23	Quality that inspires



# „ The whole is greater than the sum of its parts “

As a vehicle manufacturer, this sentence has a special meaning to us. Only a balanced combination of all vehicle components and their sophisticated coordination can ensure the highest quality, efficiency and reliability for the end product. Experience shows that in rough, everyday operation our versatile vehicles are reliable partners, giving you the decisive advantage with their state-of-the-art vehicle and engine technology and comprehensive service program.

Since the company was founded over 90 years ago, we have positioned ourselves as one of the leading manufacturers in the field of narrow-track and compact vehicles with continuous new developments tailored to market requirements.

In accordance with our motto, “*Competitive edge through innovation*”, our third generation family-run company presents our customers with an extensive vehicle and equipment program.

**L**eichte **A**rbeit **D**urch **O**rdentliches **G**erät \*

\* Easy work thanks to neat device



# Over 95 years of experience

1982

Introduction of the Hydro 82 vehicle with permanent 4-wheel drive



1978

Development of hydrostatic travel drive



1970

New vehicle development with four-wheel steering



1967

Construction of the first municipal vehicle with an overall width of 1250 mm



1986

Transfer of frame production to the new plant in Zell am Harmersbach



1990

Development of the device drive with proportional hydraulics



2002

Upward expansion of the product range with the T-1550



2006

Entwicklung von Dieselmotoren mit automatisch regenerierendem Rußfilter



2007

The company moves from Nordrach to Zell am Harmersbach



# 1960

Development of the first four-wheel drive vehicles with 14 hp and rear-wheel drive



# 1949

Construction of the first three-wheel tractor with a 4hp engine



# 1920

Founding of the company in Nordrach, Black Forest



# 2008

Introduction / certification of a quality management system according to ISO 9001:2000 and KBA certification



# 2014

Introduction / certification of a quality management system according to ISO 9001:2000 and KBA certification



# 2016

Introduction and launch of the new cabins for the T-1400 and T-1700. Conversion to the new EURO 6 emission standard





# Our developments



Since 1920, we stand for high quality products that meet the most demanding standards and offer maximum reliability. Our products are in use worldwide - from the tropics to the far north. The experience we have gained is continuously incorporated into our product innovations. The LADOG brand enjoys a high profile in the industry. Through continuous innovation, high quality standards and the solid construction and longevity of its vehicles, LADOG is also highly valued beyond the borders of Germany.

## Our employees

We currently have a team of about 60 employees. Our trainees learn the profession of precision mechanic (with a focus on mechanical engineering).

Approximately 70% of the employees have completed their professional training within the company. Many of them have been with the company for up to 40 years and, together with the younger employees, form the basis for a solid and future-oriented corporate structure.



# Our production

Through our in-house production, we are able to perfectly coordinate the components of our vehicles and attachments. Whether it be a standard product or a customized solution created for you - our production methods represent the highest possible standards. This and the effectiveness of the innovations are certified by independent institutions.



2016: Expansion of the production area in addition to the construction of a new production facility in the area of Plant 2, a portion of the technical production equipment is modernised with a view to the future.



# Our services

Our goal is to offer optimal service to our customers following the sale of a vehicle. Customer satisfaction is a top priority for us - our customer responsibility certainly does not end with the delivery of a vehicle.

Request a no-obligation quote - then you can know in advance what the costs will be. Short and streamlined work processes guarantee you a quick delivery of your machine.



- Service locations worldwide
- On-site service
- Technical support
- Professional customer service
- Retrofit according to your requirements
- Replacement part service
- Training



## **Consultation**

We gladly provide personalised consultation and can offer you an optimally equipped vehicle, customised for your applications and needs.

## **Training**

In our training courses, drivers and operators learn the features and versatile technical possibilities of the LADOG and how to use them most effectively. We conduct our training courses at our location.

## **Replacement part service**

Our high-performance machines are typically used in demanding continuous operation. In the event of a repair, we have almost all common parts available in our vast replacement part stock. In this way, we can ensure quick availability not only in emergencies. Through short distances and various delivery options, we can keep downtimes as low as possible.

## **Technical support**

We offer you the best possible service after the sale of a LADOG. From experienced and knowledgeable staff, you receive technical support and repair instructions from one source.

## **On-site service**

Trained and qualified personnel will also repair and maintain your vehicle on site. Should a major repair be necessary, the machine will be transported to our facility for repair.

## **Documentation**

Individual documentation is created for each vehicle produced. Our customers have access to various instruction manuals, wiring diagrams and documentation.

# The right LADOG



To find the right LADOG for your needs, you have the choice of 5 vehicle widths and various performance classes. In addition to our extensive standard equipment, a variety of options are available for your benefit.

## The unique features of a LADOG

- Underfloor engine / low centre of gravity
- Wide ladder frame / good accessibility
- Long, extremely stable wheel base
- Outstanding manoeuvrability due to high steering angle and optional four-wheel steering
- Permanent 4-wheel drive with inter-axle lock and self-locking differentials in the axes
- Well-engineered hydrostatic technology with LADOG 4x4 drive
- Powerful hydraulic equipment drive
- Sensitive hydrostatic travel drive/ easy operation
- State of the art engine technology
- Latest emission standard





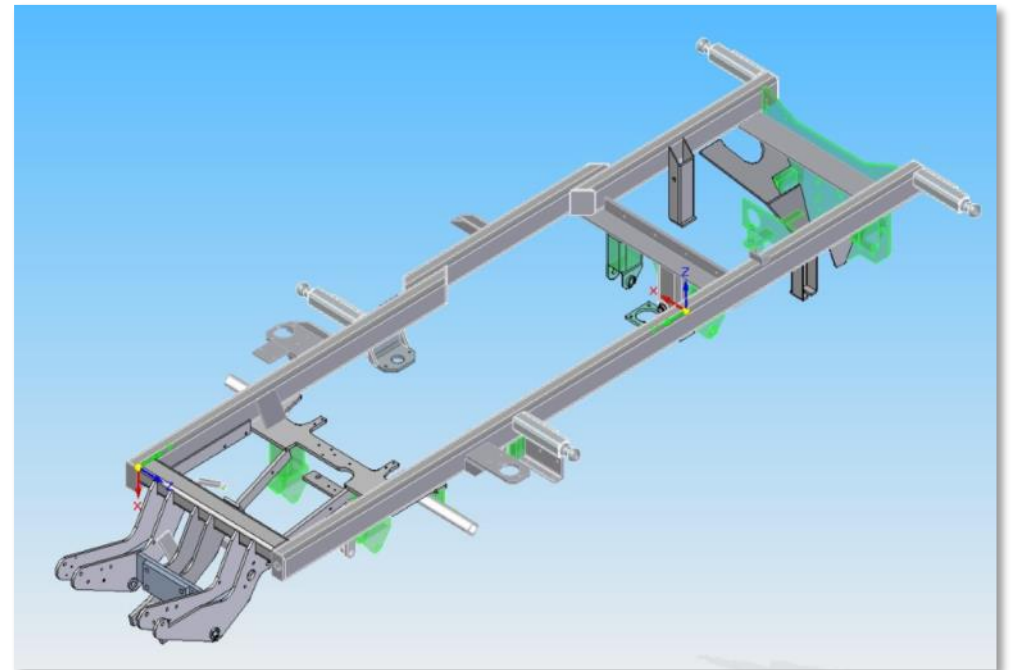
# Motorisation

The LADOG is driven by modern and clean VM or alternatively HATZ diesel engines. The performance range of the drive engines ranges from 75 to over 163 hp. The cooperation with the engine manufacturers ensures that LADOG is continuously state of the art, meeting all applicable emission standards (currently EURO6) as well as current noise regulations.



# Chassis

The LADOG vehicle chassis is produced in-house and its similarity to large trucks is undeniable. Its stable ladder frame forms the base for absorbing high forces and providing high payloads. The torsion-resistant double frame construction is made from closed rectangular pipe profiles. The engine is positioned between the axes under the carriage. The frame is primed and coated with high quality materials prior to assembly in order to withstand the toughest conditions.



# Driver cabin

## Ergonomic driver cabin with excellent all-round visibility

The driver cabin is ergonomically designed, offering the driver a maximum of space and operating comfort as well as an excellent all-round visibility of the work area. Of particular note is the good view of front-mounted equipment. All operating elements are clearly laid out and efficiently arranged within easy reach, ensuring simple and fatigue-free operation. The multi-function display, equipped with both audible and visible warning signals, provides the driver with the necessary information at all times. In spite of its compact exterior dimensions, the driver cabin offers maximum freedom of movement and a comfortable atmosphere.



T-1700 Interior view with 3 seats



T-1250 Interior view

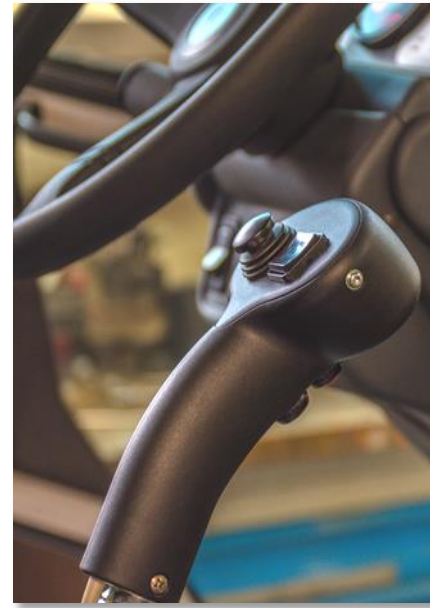


T-1250 Right-hand drive cabin





Excellent visibility of the attachments thanks to the generously designed windscreen



Various control options are available for operating the hydraulic functions



All important functions are clearly and conveniently represented on the multi-function display



Various function switches, radio, odometer, etc. are clearly laid out and easily accessible in the overhead console

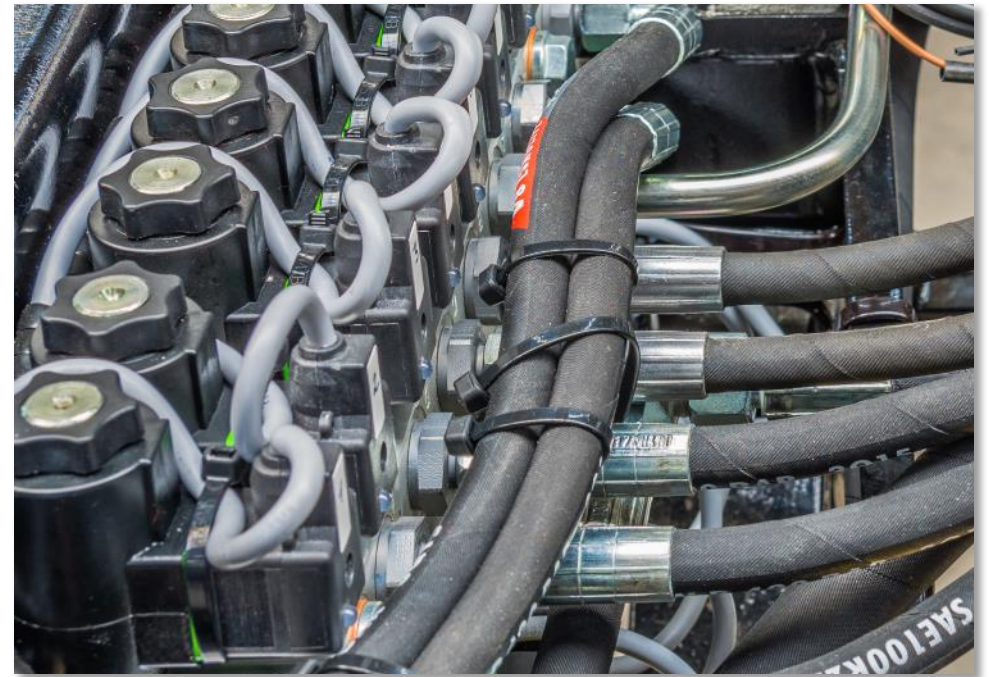
# Traction drive

The traction drive is infinitely variable by means of a powerful hydrostatic system. All vehicles have permanent 4-wheel drive with inter-axle differential lock. With this construction, the LADOG brings power to the road. The LADOG was the first commercially available vehicle with not only a hydrostatic travel drive but also with an anti-lock brake system and electronic traction control (available as an option).



# Working hydraulic system

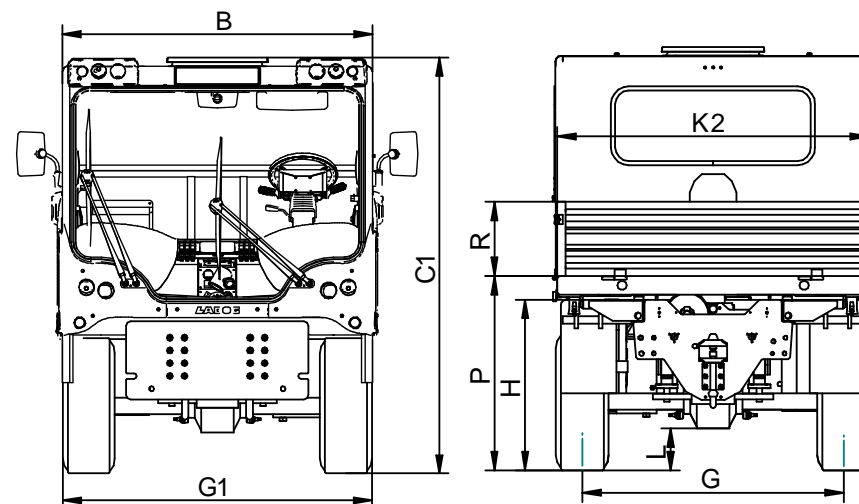
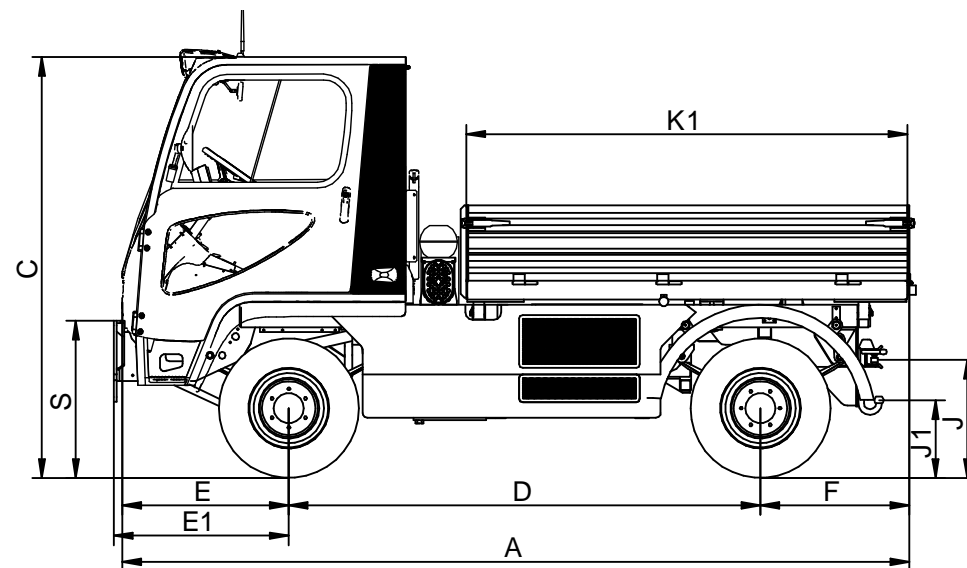
Depending on the requirement, the LADOG is available with the appropriate hydraulic system. Our products range from simple gear pump hydraulic systems to high performance proportional hydraulic systems with several drive circuits, LOAD-SENSING adjustment and joystick control





# Weights and Measures (standard equipment)

	T-1150	T-1250	T-1400	T-1550	T-1700
Length with front lift (D + E1 + F)	3700 mm	3965 mm	3985 mm	4170 mm	4260 mm
Length without front lift (A)	3590 mm	3795 mm	3880 mm	4075 mm	4190 mm
Cabin width (B)	1150 mm	1250 mm	1400 mm	1550 mm	1700 mm
Overall height with roof hatch, empty (C1)	2190 mm	2200 mm	2280 mm	2210 mm	2350 mm
Overall height without roof hatch, empty (C)	2120 mm	2130 mm	2220 mm	2160 mm	2300 mm
Wheelbase (D)	2305 mm	2305 mm	2220 mm	2500 mm	2500 mm
Overhang, front (E)	750 mm	760 mm	770 mm	825 mm	930 mm
Overhang, front equipment attachment (E1)	860 mm	930 mm	875 mm	920 mm	1000 mm
Overhang, rear (F)	535 mm	730 mm	705 mm	750 mm	760 mm
Track width (G)	1005 mm	1055 mm	1240 mm	1400 mm	1440 mm
Outer edge of tyres (G1)	1200 mm	1300 mm	1480 mm	1665 mm	1740 mm
Frame height, empty (H)	885 mm	925 mm	900 mm	930 mm	945 mm
Approx. height of automatic trailer coupling (J)	615 mm	660 mm	660 mm	640 mm	660 mm
Approx. height of trailer coupling ball head (J1)	465 mm	510 mm	495 mm	380 mm	500 mm
Attachment length (K1)	1840 mm	2300 mm	2106 mm	2500 mm	2300 mm
Attachment width (K2)	1150 mm	1340 mm	1420 mm	1700 mm	1680 mm
Ground clearance, empty (L)	185 mm	220 mm	215 mm	290 mm	270 mm
Loading height (P)	975 mm	1035 mm	1035 mm	1040 mm	1080 mm
Tailgate height (R)	300 mm	300 mm	300 mm	400 mm	400 mm
Tailgate thickness in aluminium model	25 mm	25 mm	25 mm	25 mm	25 mm
Tailgate thickness in steel model	50 mm	50 mm	50 mm	50 mm	50 mm
Front lift height (S)	350-720 mm	405-770 mm	360-720 mm	870 mm	850 mm
Tyres	195/75 R16	245/75 R16 AT	245/75 R16 AT	265/75 R16	265/75 R16
Tyre diameter	675 mm	774 mm	774 mm	846 mm	830 mm
Tyre width	195 mm	248 mm	248 mm	297 mm	295 mm
Turning radius / front-wheel drive	4,55/9,10 m	4,55/9,10 m	4,90/9,80 m	5,45/10,90 m	5,45/10,90 m
Turning radius / 4-wheel drive	2,85/5,70 m	2,85/5,70 m	3,15/6,30 m	3,00/5,90 m	3,00/5,90 m
Maximum permitted total weight	bis 5000 kg	bis 6000 kg	bis 6000 kg	bis 6500 kg	bis 7000 kg
Empty weight (depending on equipment)	ca. 2300 kg	ca. 2300 kg	ca. 2400 kg	ca. 2850 kg	ca. 2950 kg
Maximum permitted axle load limit, front	2500 kg	3000 kg	3000 kg	3250 kg	3500 kg
Maximum permitted axle load limit, rear	2500 kg	3000 kg	3000 kg	3250 kg	3500 kg



# LADOG - use in all seasons

A comprehensive equipment program for year-round use such as sweepers, snow sweepers, snow plows, snow milling etc. are easy and efficient to use. We cooperate with different manufacturers and agree the vehicle with the removable attachments. A simple and fast change of the removable attachments is therefore no problem

Lifting Vacuuming Irrigation  
Mulching Cleaning Transporting  
Pressing Moving Salting  
Mowing Broaching Loading  
Collecting Driving Watering  
Washing Sweeping Trimming

Look at the LADOG and its applications on the following pages



# Winter services



When it comes to winter services, LADOG is in its element. Thanks to its ruggedness and reliability, the LADOG is a dependable partner even under adverse conditions.

Confident performance against ice and snow with ample power reserves. Thanks to the 4-wheel drive and a hydraulic system customised for the user, a wide variety of options are available. The short front section also allows for the attachment of heavy snow blades. Automatic spreaders are the perfect addition to the attachments. The LADOG is particularly impressive due to its high payload and large loading area.

With perfectly coordinated attachments, dealing with snow and ice for the LADOG becomes child's play. A wide range of snow ploughs with adjustable widths and functions is available for a variety of snow removal requirements. With the combination of an automatic spreader, you are ideally equipped for any winter weather.



LADOG T-1550 with snow blade and automatic spreader



LADOG T-1250 with snow blower



LADOG T-1700 with snow sweeper



# Mowing & grounds care

With their powerful drive technology and manoeuvrability, LADOG-vehicles are particularly suited for maintaining green spaces.

No matter how large, steep or geographically challenging your green space is to maintain, the LADOG, with its many attachments, adaptation options and very high-capacity performance area, is the ideal multi-function vehicle. In addition to the classic mowing and maintenance of green spaces, sport fields and set-aside lands, the LADOG also stands out with hedge and shrub care.

Advanced vehicle technology together with permanent 4-wheel drive and a balanced weight distribution ensures the highest possible traction and ground protection.



A classic tried and tested application. LADOG T-1400 with front rotary mower and collection container on the deck. Clippings are collected through the LADOG middle channel technique.



LADOG T-1250 with middle collector, rotary mower and high lift collection container.



LADOG T-1550 with outrigger mowing head. The switchable pendulum front axle lock provides outstanding lateral ability and guarantees professional results.





# Sweeping & leaf collection

**LADOG offers you advanced and environmentally friendly sweeping technique for a variety of applications in both urban and rural areas**

Our vehicles, together with a variety of modular sweeping equipment (2 or 3-brush technique, front rotary brush, weed brush), provide the optimal solution for maintaining streets, walkways and squares in urban areas as well as sweeping car parks and underground garages. Thanks to its compact dimensions and maximum manoeuvrability, the LADOG is ideally suited for very tight conditions. All functions can be conveniently operated with the vehicle's multi-function control. Debris is fed through the vacuum chute into the hopper using the LADOG middle channel technique. The vehicle can also be optionally equipped with a flexible manual vacuum hose to clean hard to reach areas.



The "classic sweeper"

LADOG T-1250 with 2-brush unit and LADOG K2 sweeper attachment



LADOG T-1150 with brush unit and a third brush for use on narrow walkways and in other particularly narrow areas



Weed brush as a powerful alternative to weed control



Flexible suction with the optional manual vacuum hose



# Spraying, watering & intensive cleaning

The LADOG is a real pro when it comes to interacting with water. The various possibilities leave nothing to be desired.

Our many years of experience and sophisticated technology from specialised suppliers ensures professional performance in rough, everyday applications. Spray systems with laterally extending rails make a very wide work area possible. A logical addition is the spray or high pressure lance. Water tanks with a volume of up to 3000 litres hold the water supply. The water supply is brought to the front of the vehicle through pipes laid within the frame.

The addition of a watering system makes it easy to water flower beds and plants directly from the vehicle.

For intensive cleaning such as sport surface cleaning, oil residue and chewing gum removal, etc., we rely on equipment from renowned manufacturers. In close cooperation with these manufacturers, we can offer our customers highly effective and reliable solutions.



LADOG T-1550 with casting implement and water tank



LADOG T-1250 with Jet-nozzle-system



LADOG T-1250 with technical watersystems



Nothhelfer Intensive-cleaning





# Hook lift system

With the LADOG hook lift system, you can sensibly and flexibly extend your fleet. Connecting and disconnecting various changing systems or roll-off containers is quick and easy. This can be accomplished by the driver from inside the cabin or, when necessary, outside the cabin.

More and more municipalities appreciate the advantages of this high- quality, economical solution to carry out their year-round work.



The most important advantages at a glance:

- Cost savings
- Flexible usage
- Multi-functional through DIN mounting receptacle
- No waiting time when loading
- Less downtime
- Extensive expansion possibilities





# Universal - options



T-1400 with fire fighting attachment / oil removal



T-1550 with dumper attachment



T-1400 mit Nothelfer-sweeping technology



T-1700 with intermediate crane and special carriage



T-1400 with railroad vehicle technology



T-1250 with rotary dumper carriage



Waste compressor attachment



T-1550 with sewer flushing attachment



Pumping out with a powerful pump

# Quality that inspires

Our vehicles are accompanied by a high quality standard through every stage of construction. All results are documented and archived. In this way, we meet not only the relevant standards for commercial vehicles according to ISO 9001, but also the legal regulations in Europe within the framework of KBA certification.

Only EN 287-1 certified welders are used in the frame manufacturing process. The quality of the welding seam is regularly checked with a penetration test. An additional leak test is carried out during container construction as well as measuring the coating thickness during the painting process.

Should components need to be purchased, they are subjected to a comprehensive and documented receiving process. KBA required parts are subject to an additional inspection.

In the main assembly, all steps will be specified through checklists by production planning according to the scope of the customer order. The function of the actual assembly (preassembly) will also be checked and documented for function and movement.

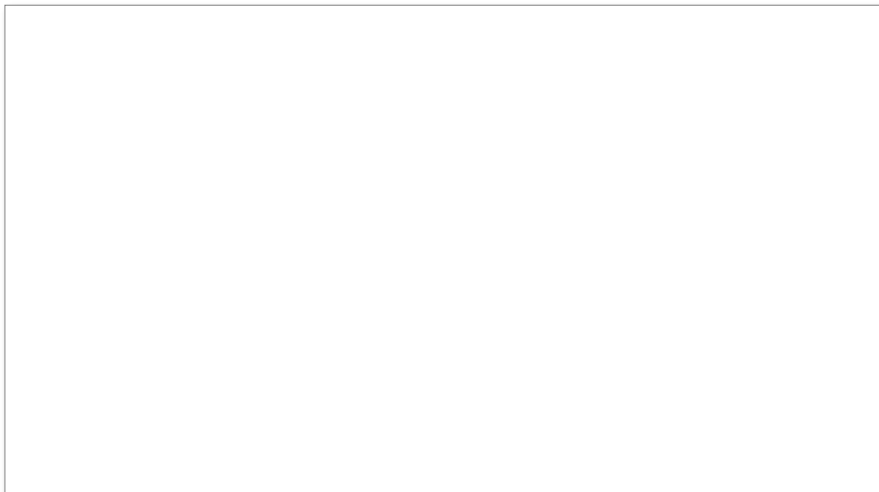
In the final assembly, which completes with the acceptance of the vehicle, all functions are again subjected to a critical check and practically tested with an application-oriented test drive.

This means that our customers can be sure that they receive individual vehicles built by experienced employees, which are designed for a long service life.

All vehicles and attachments have been inspected and approved according to the CE machinery guidelines.







**Would you like to learn more?**

Please don't hesitate to contact us. We would be happy to answer your questions or offer you a personal consultation.

# **LADOG**

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