

Grammer Actimo XXL Pneumatic Suspension Operating Instructions



IMPORTANT:

Read and understand this Grammer seat instruction manual before operating

- For control system adjustments see enclosed instructions
- Adjust the suspension to accommodate your weight before operating
- If equipped with seat restraint, insure it is fastened before operating
- Adjust the seat and seat system to your personal comfort preference before operating
- Do not adjust seat or seat system while operating this equipment
- Immediately report any malfunction or concern about the seat /seat system to your supervisor
- Under no conditions should you operate equipment that is in disrepair or malfunctioning



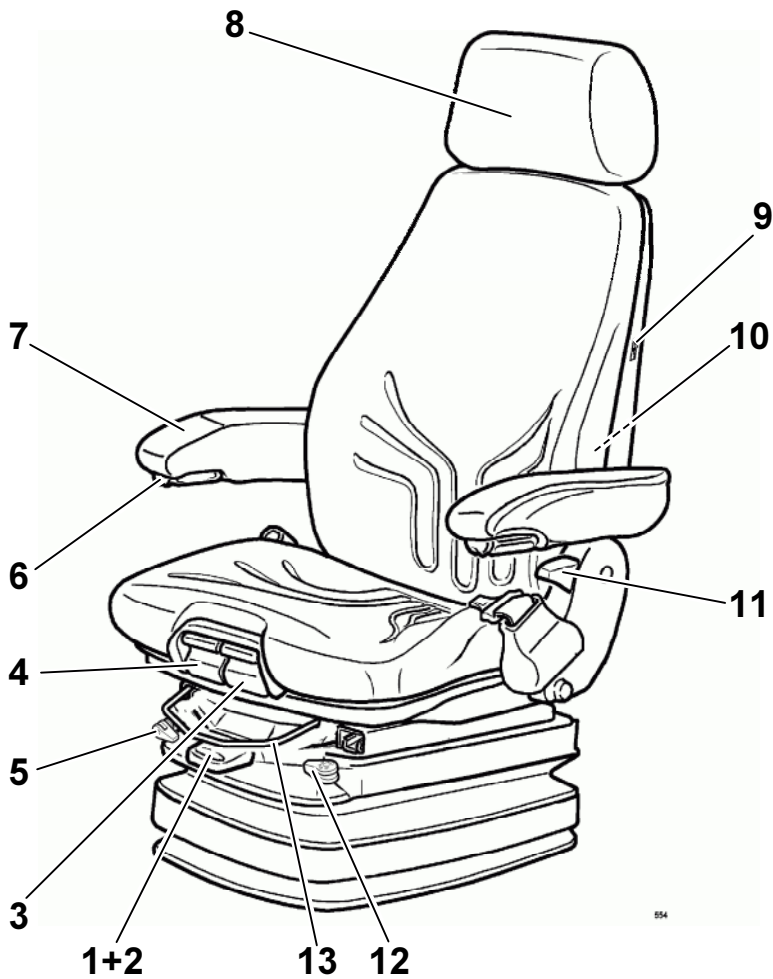
IMPORTANT!

Seating and Seat System Disclaimer
can be found on our website at:
www.jrmerritt.com/seatdisclaimer

J.R. MERRITT 
CONTROLS, INC.

Distributors for Grammer, Inc.

Stratford, CT • www.jrmerritt.com
203-381-0100 • Fax: 203-381-0400



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* if fitted ** optional extra



General instructions

- The operating instructions must be read in full before use.
- The operating instructions must be kept in the vehicle and always be at hand.
- The driver's seat may only be fitted, serviced and repaired by specialist personnel. The respective national regulations and the vehicle manufacturer's fitting instructions must be observed.
The national fitting regulations can be obtained from GRAMMER AG or from agencies of the company, or from the vehicle manufacturer.
- A correctly functioning and individually adjusted driver's seat is essential to your health. Take adequate care of your seat and have it serviced regularly to ensure that it functions correctly.



The functional checks are to be carried out at least as regularly as vehicle services (see maintenance plan for vehicle).

- These operating instructions should always be kept with the driver's seat. If the seat is passed on to a third party, it must be accompanied by the relevant operating instructions.
- Subject to modifications serving engineering progress and deviations compared to the standard type seat arising therefrom.



Safety instructions

- Driver's seats that have been adjusted incorrectly have a smaller moving area. In order to prevent any personal injury, the seat must be adjusted for the driver's weight **before use** and **before every change of driver**.
- To prevent injury, **no objects should be placed within the moving area** of the driver's seat.
- **Before commissioning** of the driver's seat, possible **packaging material** has to be removed from the seat cushion and the backrest upholstery.
- To eliminate any risk of accident, the settings must be checked to ensure they are correctly engaged **before the vehicle is driven**.
- Adjustments must **not** be made **while driving**.
- **After removal of the backrest upholstery**, the backrest frame must be supported, for example held in place, before the backrest adjuster is operated. If you fail to do so, there is a danger that the backrest frame may jerk forward and **cause injury**.

Safety instructions

- **Any changes to the series standard of the seat** (for example fitting parts which are not original GRAMMER AG parts) may impair the safety standard to which it has been tested. **Functions may be impaired**, threatening your **safety**. For this reason, **any change in design of the seat** must be approved by GRAMMER AG.
- During the removal and installation of the driver's seat, the corresponding instructions by the specific vehicle manufacturer must be strictly observed!
- Do not hold onto the covers for lifting the driver's seats. If you do so anyway, there is an **increased risk of injury due to loosening or breaking covers**.
- Before you remove the driver's seat, disconnect all plug-in connections between the seat and the vehicle supply network. When you replace the plug-in connectors, make sure they are tight (dust, water).
- Seatbelts are fitted or can be retrofitted to the driver's seat. Seatbelts **may only be fitted on the approval of the vehicle manufacturer**, as they increase the load in the seat mounting area.
Seatbelts must be fitted in accordance with specific national regulations and guidelines, and must be approved by GRAMMER AG.
- Seatbelts must be fastened **before driving**.
The seatbelts must be replaced after an accident.
Where seatbelts are fitted to the driver's seat, the **seat** and **seat mounting** must be checked **additionally** by specialist personnel after an accident has occurred.
- Fasteners must be **checked regularly for tight seat**. If the seat wobbles, there may be loose bolts or other faults.
- If you notice that the seat does not function correctly (for example a defective suspension of the driver's seat; improper curvature of the lumbar support or damaged bellows), **contact a specialist workshop immediately** to arrange for repairs to be carried out. If you fail to do so, your health may be affected and the **risk of accident increased**.
- Before the vehicle is used, switches that might be in the seat (for shutting down mechanical equipment when the driver leaves his/her seat) must be checked for **proper function**.
If malfunctions are detected, the vehicle must not be driven.
– **INCREASED RISK OF ACCIDENT** –
- **Loads must not be placed on seats** (e.g. with a built-in switch) except for the driver's weight during normal use, as the vehicle may otherwise start to move by itself.
– **INCREASED RISK OF ACCIDENT** –
If you take off the weight from the seat while driving, this will cause the vehicle to stop.
- Do not indent the bellows while there is load on the driver's seat.
– **RISK OF CRUSHING** –
- Make sure that the **interior of the driver's seat** remains free of **foreign particles** or **liquids**.

Safety instructions

- The driver's seat is **not watertight** and must be protected against splashes of water!
- Any conversion or refitting work on a **GRAMMER AG** driver's seat must be performed exclusively in **authorized workshops** by **trained** or **suitably qualified personnel** and in adherence with the applicable operating, maintenance and installation instructions and in compliance with all relevant national regulations.
- **Improper installation and assembly** bear the risk of **bodily injury** or **property damage** and the proper function of the driver's seat or mounted parts can no longer be guaranteed.
- The driver's seat is **free of maintenance**. Worn parts such as rollers, shock absorbers and the fixation must be checked from time to time.
- **Before driving**, you must check if all seat settings selected guarantee a **safe operation** of the vehicle.

Connecting data

- If you need to connect cables to the vehicle supply network, strictly observe the following instructions:

Before you connect an **electrical consumer** fitted in the driver's seat (e. g. the seat heater or the seat ventilation), you must obtain the relevant electrical data for the respective vehicle with reference to voltage, protection and the kind of connections from the manufacturer, from **GRAMMER AG** or the company's agencies.

For safety reasons, the installation and connection to the vehicle supply network must be carried out by authorized specialist personnel only.

The seat connections must be protected independently of other vehicle components.

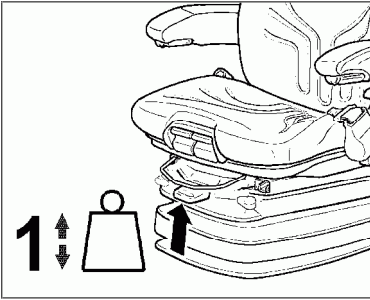
DC	Compressor	Seat heater / compressor
12V	10A	20A
24V	7,5A	10A

For building an electric connection, select an electric circuit by means of which the electric consumers of the driver's seat are separated from the live network when **the ignition is switched off**.

Guarantee and liability

- GRAMMER AG does not disclaim any guarantee or liability for damage resulting from incorrect assembly, use or repair of the seats.
- Further details on the guarantee granted by GRAMMER AG are stated in your contractual documents (see invoice or delivery note). Guarantee claims against **GRAMMER AG** beyond the guarantee obligations described there are excluded.


Seat functions and operation




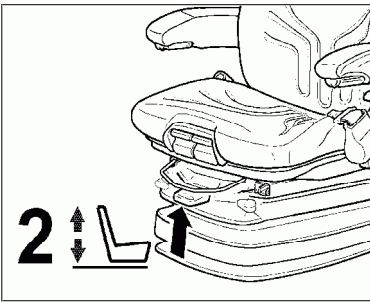
Weight adjustment

The seat must be adjusted for the driver's weight by briefly pulling the actuator lever of the automatic weight and height adjuster (arrow) with the vehicle at a standstill and the driver sitting on the seat.

The driver must sit absolutely still during adjustment.

 Before adjusting the weight, adjust shock absorbers to the position "soft".


 To prevent damage to the health, the setting for the driver's weight must be checked and adjusted individually before the vehicle is driven.




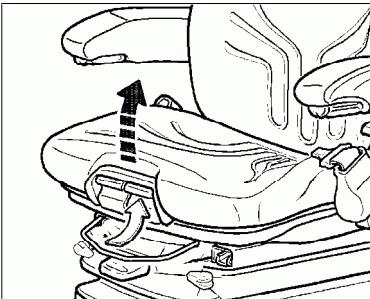
Height adjustment

The seat height can be set pneumatically and is continuously adjustable.

The seat height can be altered by pulling or pushing the adjustment lever fully up or down (arrow). If the adjustment reaches the top or bottom endstop, the height is adjusted automatically in order to guarantee a minimum spring travel.

 Before adjusting the height, adjust shock absorbers to the position "soft".

 In order to avoid damage, do not operate compressor for more than 1 minute



Seat pan angle adjustment

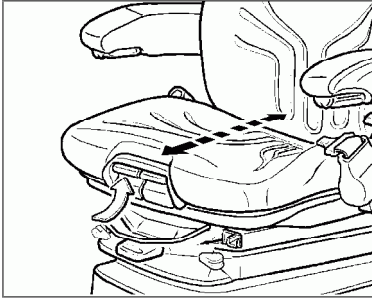
The angle of the seat pan can be individually adjusted.

To adjust the angle of the seat pan, pull the left handle upwards. By exerting pressure on or off the front or rear part of the seat pan it can be moved to the desired position.

* if fitted ** optional extra



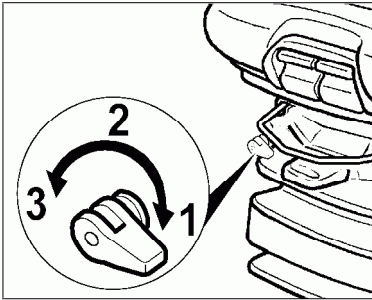
Seat functions and operation



Seat depth adjustment

The depth of the seat pan can be individually adjusted.

To adjust the depth of the seat cushion, pull the right handle upwards. By moving the seat cushion backwards or forwards the desired seating position can be reached.

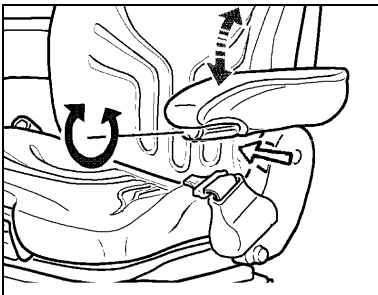


Absorber

The absorber setting of the seat can be varied to suit the on and off-road driving conditions. The cushioning effect can be individually adjusted for this purpose.

Turn the lever to the desired position and release

- 1 hard
- 2 medium
- 3 soft



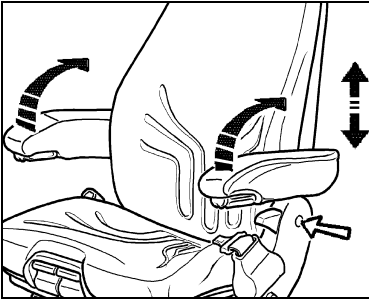
Armrest adjustment *

The inclination of the armrests can be modified by turning the adjustment knob.

When turning the knob to the outside the front part of the armrest will be lifted, when turning the knob to inside it will be lowered.

* if fitted ** optional extra

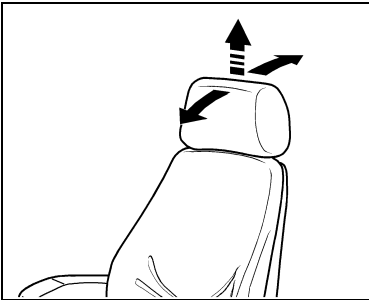
Seat functions and operation



Armrests * **

The armrests can be folded up if required and the height individually adjusted.

To adjust the armrests for height, separate the round cap (see arrow) from the cover, loosen the hexagon nut (size 13 mm) behind it and adjust the armrests to the desired position (5-steps) and tighten the nut again (**25Nm**). Replace the cap onto the nut.

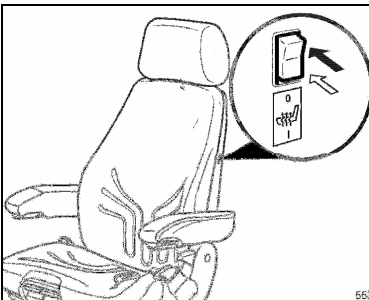


Headrest * **

The headrest can be individually adjusted for height by pulling it upward over the various increments up the end stop.

By pushing forward or rearward the angle of the headrest can be adjusted individually.

To remove the headrest, pull it over the end stop.



Seat heater * **

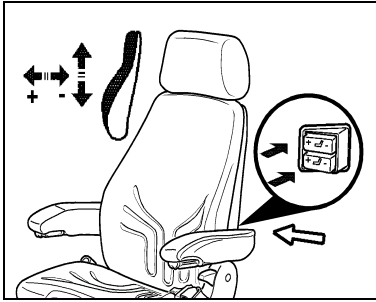
The seat heater can be turned on/off by pressing the switch.

0 = seat heater OFF

1 = seat heater ON

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Seat functions and operation



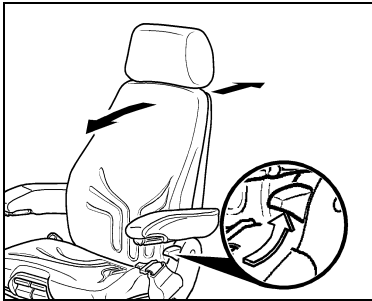
Lumbar support

With the upper and lower switch the curvature in the upper and lower area of the backrest upholstery can be individually adjusted.

This increases both the seating comfort and the performance of the driver.

The lumbar support curvature can be increased pressing "+" or reduced by pressing "-" on the relevant switch.

When the backrest upholstery does no longer react to pressing "+", the maximum curvature has been reached and the switch should be released.

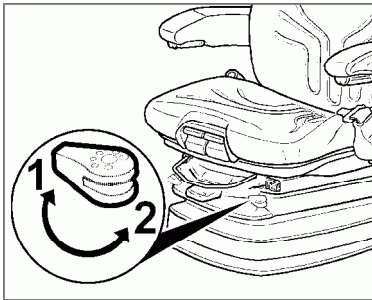


Backrest adjustment

Pull up the locking lever to release the backrest catch. When releasing the backrest catch, do not apply load to the backrest by pressing against it.

By exerting pressure on or off the front or rear part of the seat pan it can be moved to the desired position. Release the locking lever to lock the backrest.

☞ It should not be possible to move the backrest into another position after it has been locked.



Fore/aft isolator

Under certain driving conditions (for example with a trailer attached), it is useful to activate the fore/aft isolator. This means that shock impacts in the driving direction can be better absorbed by the driver seat.

Position 1 = fore/aft isolator off

Position 2 = fore/aft isolator on

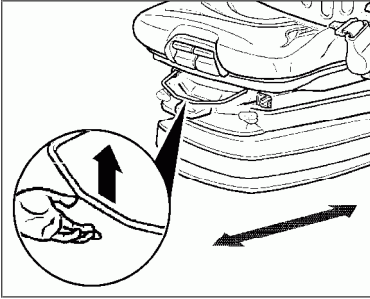
☞ After the adjustment of position 1, the locking lever must latch into the desired position.

For that, the seat must be pressed backwards until it latches with an audible click.

☞ It should not be possible to move the fore/aft isolator into another position when it is locked.

* if fitted ** optional extra

Seat functions and operation



Fore/aft adjustment

The fore/aft adjustment is released by lifting the locking lever.



WARNING. Risk of accident!
Do not operate the locking lever while driving.

☞ After the adjustment, the locking lever must latch into the desired position with an audible click. It should not be possible to move the driver's seat into another position when it is locked.

☞ Do not lift the locking lever with your leg or calf.

* if fitted ** optional extra

Maintenance



Dirt can impair the function of the seat,
So make sure you keep your seat clean.

Upholstery does not need to be removed from
the seat frame for cleaning.



**Caution: take care with the
backrest - it may jerk forward and
cause injury!**

**When cleaning the backrest
cushion, the backrest must be
held in place when operating the
backrest lever.**

ATTENTION: Do not clean the seat with a
pressure washer!

When cleaning the upholstery, make sure the
upholstery is not soaked.

Use standard commercially available
**upholstery or plastics cleaning agent. Test
first for compatibility** on a small, concealed
area.

