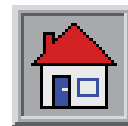


From s/n: 17106  
to s/n: 18956



# **TEREXLIFT**

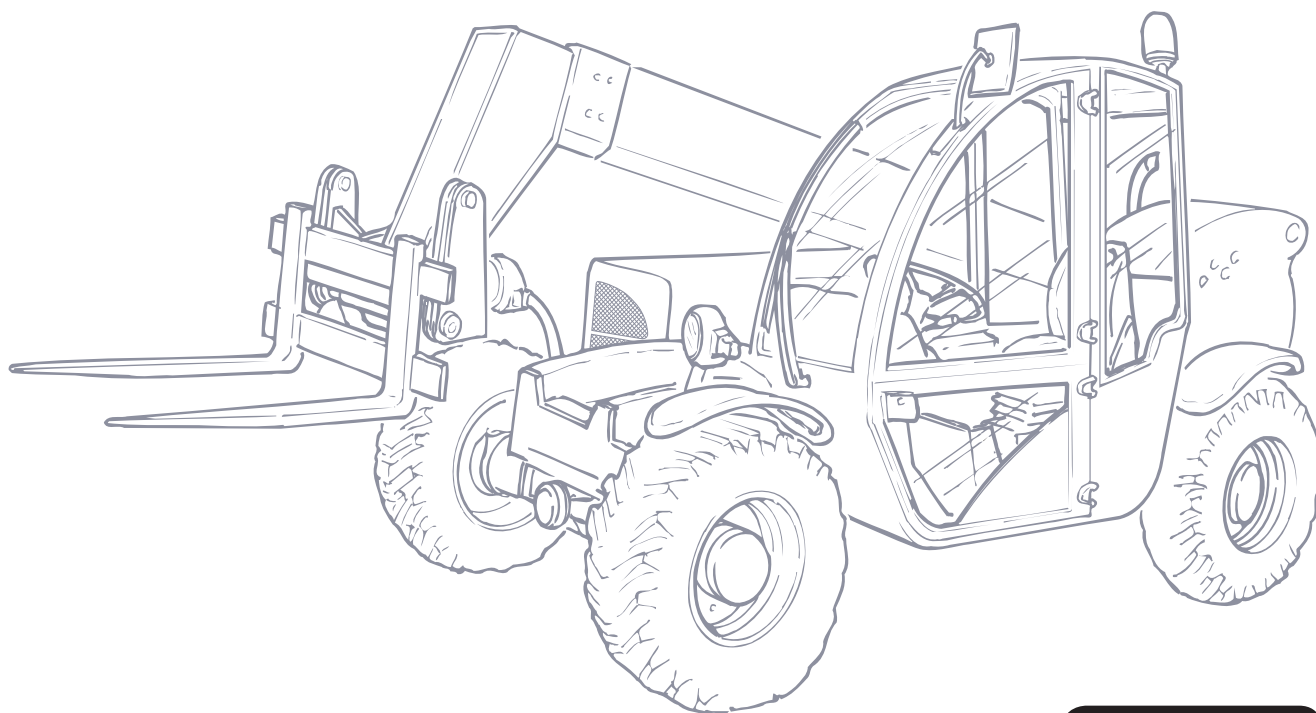
## **OPERATOR HANDBOOK**

*Cod. 57.0003.4200 - Rev.4A 05/2007*

*Handler with telescopic boom*

# **AGRILIFT 625**

# **TELELIFT 2506**



**English**  
Edition



**CAUTION: THOROUGHLY READ AND UNDERSTAND THIS HANDBOOK BEFORE OPERATING THE MACHINE**

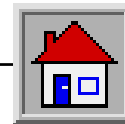
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### GENERAL INFORMATION

#### ■ A-1.2 LABELS AND WARNING PLATES APPLIED ON THE MACHINE

This paragraph lists the labels and warning plates normally applied on standard machines or on special attachments coupled to the machine.

## IMPORTANT

**The familiarisation with these labels is never a waste of time.**

**Make sure they are easy to read. For this purpose, clean them or replace those that become unreadable (either graphic or text).**

**To clean labels, use of a soft cloth, water and soap. Never use solvents, petrol, etc.**

**When a label is applied on a part to be replaced, make sure that the replaced part is already labelled as required or apply a new label.**

#### Description:

Printed on PVC, it guides the operator through the task of learning the main functions of the handler.

#### Meaning:

An overview of the operator's handbook concerning:

- control lever,
  - machine starting,
  - overload warning system
  - main safety precautions,
- and including the fork load charts with or without use of the outriggers.

#### Location:

in the cab, fixed to the upright with a magnet. Not present in the **TCE version**.

2506

GUIDA RAPIDA PER L'USO

**AVVIAMENTO DELLA MACCHINA**

- Posizionare il selettore marce ed il cambio meccanico in folle.
- Inserire il freno di stazionamento e controllare (P) che la spia sia accesa.
- Avviare il motore ruotando il commutatore di avviamento in posizione (A) e mantenerlo fino allo spegnimento della spia. Ruotarlo quindi in posizione (B) per l'avviamento del motore. Qualora, dopo circa 20 secondi, l'avviamento del motore non avesse luogo, rilasciare la chiave ed attendere circa due minuti prima di tentare un nuovo avviamento.

**INDICATORE DI STABILITA' (ARB)**

Durante il lavoro mantenere sotto controllo l'indicatore di stabilità.

Gli 8 LED indicano:

- LED verdi 1-2-3-4 Macchina stabile
- LED gialli 5-6 Macchina instabile. Spia rossa lampeggiante ed allarme acustico intermittente
- LED rossi 7-8 Macchina in allarme. Pericolo di ribaltamento. Spia rossa accesa ed allarme acustico continuo. Eseguire il rientro in condizioni di sicurezza.

**USO DELLE LEVE DI COMANDO**

Premere sempre il pulsante di comando intenzionale (A), prima di eseguire un comando

- Abbassamento/sollevamento del braccio azionare la leva in direzione (A) - (B)
- Brandeggio indietro/avanti dell'attrezzo terminale azionare la leva in direzione (C) - (D)
- Richiamo/sfido del braccio telescopico premere il pulsante (E) sulla leva ed azionare la leva di comando in direzione (F)
- Blocco/sblocco attrezzi premere il pulsante (G) ed azionare la leva in direzione (H) per bloccare gli attrezzi, in direzione (I) per sbloccarli

**ATTENZIONE**

E' vietato utilizzare la macchina e gli accessori senza prima aver letto e compreso le norme di utilizzo e di sicurezza contenute nel manuale di istruzioni.

Il mancato rispetto delle norme di utilizzo e di sicurezza può causare pericolo grave all'operatore e a terzi.

Le istruzioni sono consegnate con la macchina e copie aggiuntive possono essere richieste al rivenditore o direttamente a Terexlift. L'operatore è responsabile del rispetto delle norme sopra riportate non sollevare carichi se la macchina appoggia su terreno instabile o inclinato.

Non sollevare mai carichi superiori a quelli indicati in tabella.

Non sono ammesse manovre di sollevamento con macchina in movimento.

Prima di abbandonare il posto di manovra:

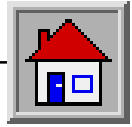
- abbassare eventuali carichi sospesi
- portare in posizione di riposo gli organi di comando del braccio
- posizionare la leva marcia avanti-indietro in folle, inserire il freno a mano e arrestare il motore.

Norme per l'utilizzo di macchine dotate di stabilizzatori

E' vietato utilizzare gli stabilizzatori se il carico è già sollevato: gli stabilizzatori servono solamente ad aumentare la stabilità della macchina.

L'uso scorretto degli stabilizzatori può causare il ribaltamento della macchina.

Una apposita spia sul cruscotto indica che gli stabilizzatori sono abbassati: accertarsi che la spia sia accesa. Prima di sollevare il carico livellare la macchina controllando l'apposito indicatore di livello.



## GENERAL INFORMATION

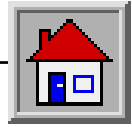
### ■ A-3.4 APPLICABLE STANDARDS

For the operator's safety, the following standards were obeyed during the risk assessment of the handler fitted with telescopic boom:

<b>Directive</b>	<b>Title</b>
98/37/CE	Machinery Directive
89/336/CEE	Electromagnetic compatibility
2000/14/CE	Environment Acoustic Emissions

<b>Standard</b>	<b>Title</b>
EN 1459:1988	Harmonised standard. Safety of industrial trucks - Self-propelled variable reach trucks.
EN 281:1988	Self-propelled industrial trucks sit-down rider-controlled. Rules for the construction and layout of pedals.
EN 1175-2:1998	Electrical requirements - General requirements of internal combustion engine powered trucks
prEN ISO 13564:1996	Test method for measuring visibility from self-propelled trucks.
ISO 2330:1995	Fork-lift trucks - Fork arms - Technical characteristics and testing.
ISO/DIS 3287	Powered industrial trucks. Pictorial signs. Control symbols.
ISO 3449:1992	Earth-moving machinery - Falling-object protective structures - Laboratory tests and performance requirements.
EN 13510: 2002	Earth-moving machinery - Roll-over protective structures - Laboratory tests and performance requirements.
ISO 3776:1989	Tractors for agriculture - Seat belt anchorages.
ISO 3795:1989	Road vehicles, tractors and machinery for agriculture and forestry - Determination of burning behaviour of interior materials.
ISO 5053:1987	Powered industrial trucks - Terminology.
ISO 6292:1996	Powered industrial trucks and tractors - Brake performance and component strength.
EN 13059:2002	Safety of industrial trucks - Test methods for measuring vibration

EN 50081-1: 1997	Electromagnetic compatibility – Generic requirements on emissions - Part 1
EN 50082-1: 1997	Electromagnetic compatibility – Generic requirements on immunity - Part 1
EN 60204-1:1998	Safety of machinery - Electrical equipment of machines - Part 1



**SAFETY**

**■ B-2.2 REQUISITES OF THE SERVICEMEN**

The personnel charged with the machine maintenance shall be qualified, specialised in the maintenance of earth-moving machines, and shall have the following prerequisites:

**physical:**

good eyesight, acute hearing, good co-ordination and ability to carry out all required maintenance operations in a safe way, according to this manual.

**mental:**

ability to understand and apply the enforced rules, regulations and safety precautions. They shall be careful and sensible for their own as well as for the others' safety and shall desire to carry out the work correctly and in a responsible way

**training:**

they shall read and familiarise with this handbook, its enclosed graphs and diagrams, the identification and warning plates. They shall be skilled and trained about the machine functioning.

**■ B-2.4 PERSONAL PROTECTIVE EQUIPMENT**

Under special working conditions, the following personal protective equipment should be used:

- Breathing set (or dust mask).
- Ear-protectors or equivalent equipment.
- Goggles or facial masks.

**IMPORTANT**

*Use only type-approved protective equipment in good condition.*

**IMPORTANT**

*From a technical point of view, the ordinary maintenance of the machine is not a complex intervention and can be carried out by the machine operator, too, provided he has a basic knowledge of mechanics.*

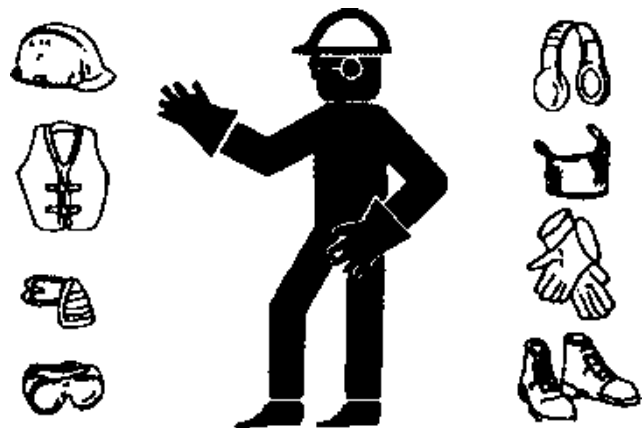
**■ B-2.3 WORKING CLOTHES**

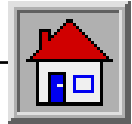
During work, but especially when maintaining or repairing the machine, operators must wear suitable protective clothing:

- Overalls or any other comfortable garments. Operators should wear neither clothes with large sleeves nor objects that can get stuck in moving parts of the machine.
- Protective helmet.
- Protective gloves.
- Working shoes.

**IMPORTANT**

*Use only type-approved working clothing in good condition.*





**OPERATING INSTRUCTIONS**

**■ C-2.2 ADJUSTING THE SEAT**

A correct adjustment of the seat ensures the operator a safe and comfortable driving. The handler seat is fitted with devices which allow for the adjustment of the springing, the height and the distance from the controls.

**• Seat distance from the controls**

The seat is equipped with an adjusting device to slide the same seat forward or back with respect to the steering column.

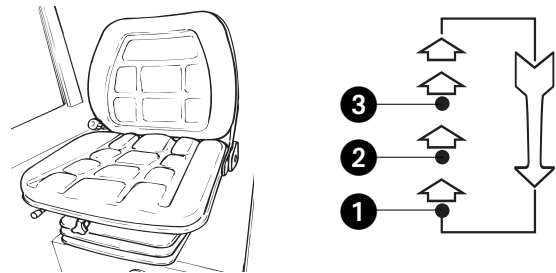
To adjust the seat, pull lever **1** outwards and push the seat to the desired direction. Then release the lever and make sure that the seat locks in position.

**• Springing adjustment**

Rotate lever **2** clockwise or anticlockwise according to the springing degree required. Rotate clockwise/ anticlockwise to increase/reduce the seat springing. To reverse this control, pull out and rotate the lever knob by 180°.

**• Height adjustment**

Turn knob **3** clockwise to lift the seat; turn it counter-clockwise to lower the seat.

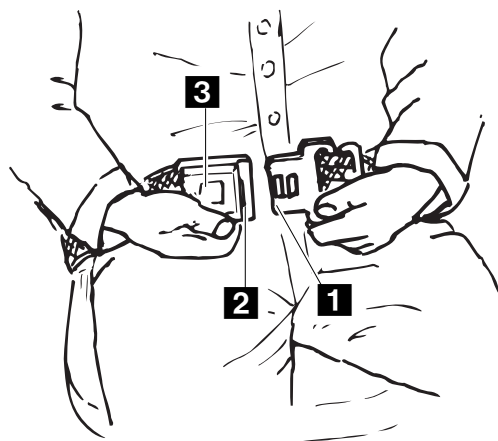
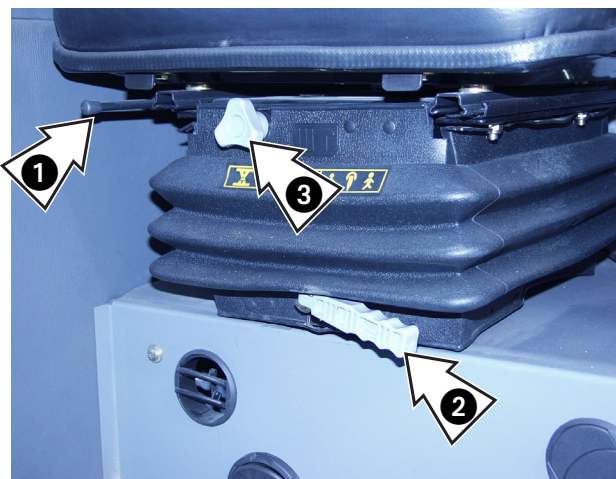


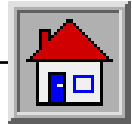
In some seats height can be adjusted to three different positions. Lift the seat until you hear the click signalling that the seat is locked in position. To lower the seat, raise to end of stroke to release the mechanism, then release the seat: it will return to the bottom position.

**■ C-2.3 FASTENING THE SEAT BELTS**

Sit correctly in the driving seat; then:

- The safety belts are equipped with reel retractor. To fasten the belt, pull tab **1** and push it into buckle **2**.
- To release the belt, push button **3** and remove the tab from the buckle.
- Make sure that the buckle is correctly located at the hip point and not on the stomach.
- Operate the end adjusters to reach the length you wish and make sure the buckle is always in the middle.



**OPERATING INSTRUCTIONS****C-3.4 CONTROL LEVER**

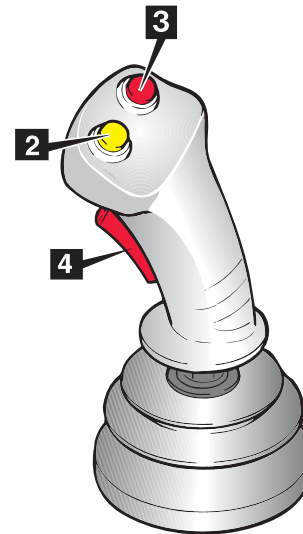
Handlers are equipped with an hydraulically driven servo-controlled lever.

The lever is equipped with two buttons for locking/releasing the attachments **3** and for extending/retracting the telescopic boom **2**.

When shifted to one of the four directions (right/left, forward/back), it controls the boom lifting/lowering and the forward/back pitching of the attachment frame.

It is also equipped with an intentional control button **4** that must be pressed and held in position until the movement is completed.

If the button is not pressed down, the lever, though operated, does not perform any function.

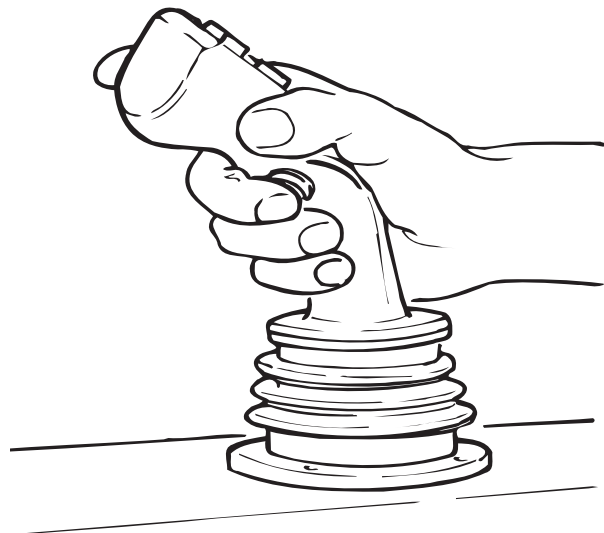
**IMPORTANT**

*In the TCE version, the intentional control pushbutton **4** is not installed.*

*For the functions of the control lever in the TCE version, please refer to [par. C-3.4.1.1](#).*

**IMPORTANT**

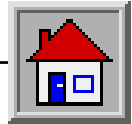
*Seize the control lever correctly and move it gently. The motion speed of the actuators depends on the lever position: a small motion results in a slow motion of the actuators; vice versa, a full range motion of the lever corresponds to the max. speed of the actuator.*

**CAUTION**

*The control lever shall be operated only when correctly seated in the driving place.*

**CAUTION**

*Before operating the control lever, make sure that nobody is within the working range of the machine.*



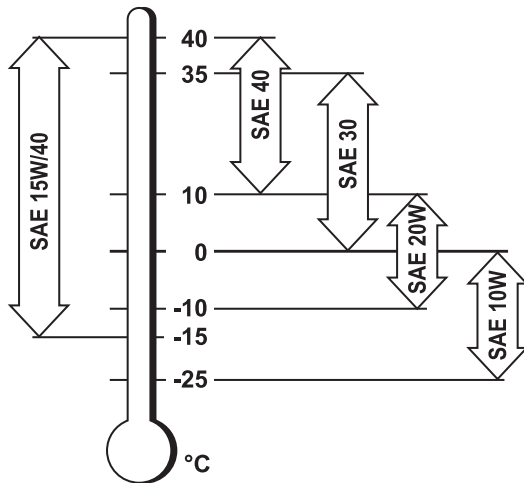
**OPERATING INSTRUCTIONS**

■ **C-4.4 LOW TEMPERATURE STARTING**



In case of cold starting, use an oil with a SAE viscosity adequate to the ambient temperature.

Please refer to the DEUTZ engine use and maintenance manual.

The machine is supplied with oil SAE 15W/40.

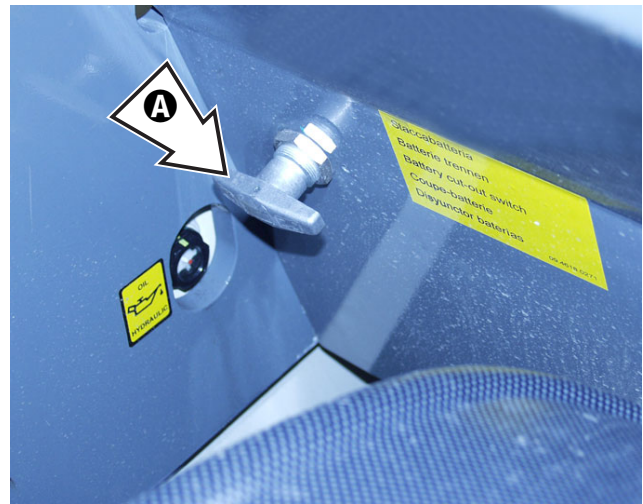


To start the engine from cold, proceed as follows:

- Put the mechanical gear lever to neutral.
- Turn the ignition switch to position  and wait until the warning light **28** signalling the glow plugs preheating goes off. Step down on the gas pedal and start the engine turning the ignition switch to . Release as soon as the engine starts.
- Let the engine run at idle for a few seconds before putting a gear; this allows for a gradual warm up of the engine oil and a better lubrication.
- In case of engine jump-starting, remove the booster cables (see chapter C-4.3).

■ **C-4.5 DISCONNECTING THE BATTERY**

During maintenance or repair works, and while welding, turn off the battery main switch **A**, located behind the rear right wheel compartment.



■ **C-4.6 STARTING THE MACHINE**

When the engine reaches the running temperature, ensure all parts are in transfer position and the gearbox lever is in neutral. Then, proceed as follows:

- Select the required steering mode.
- Select the required gear (forward or reverse).
- Release the parking brake pressing button **19** (the warning light on the pushbutton must be off).
- Slowly step on the gas pedal to start moving off.



**Do not operate the forward/reverse gear lever when the machine is running. The machine would reverse the running direction abruptly and you could seriously be injured.**

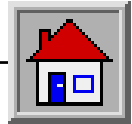
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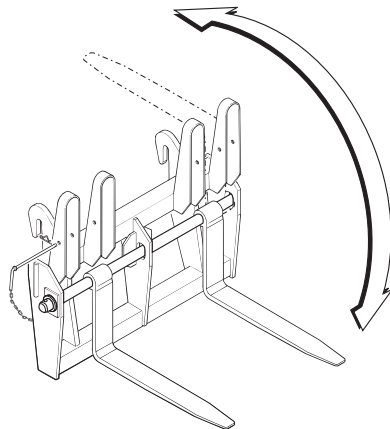
**OPERATING INSTRUCTIONS**

**■ C-6.2 ROAD OR SITE TRANSFER**

When travelling on public roads, strictly obey the local or national road traffic regulations.

Besides, take into account the following general precautions:

- Align the rear wheels.
- Select the two-wheel steer.
- Set the ROAD-JOBSITE switch **20** to "ROAD" (the light on the pushbutton comes on).
- Lock the machine as indicated in the Registration Card:  
Lock the boom sections, the lifting cylinder, and the attachment rotation cylinder (see photo).
- Cover the teeth of the conventional forks with the special guard; or withdraw the floating forks.



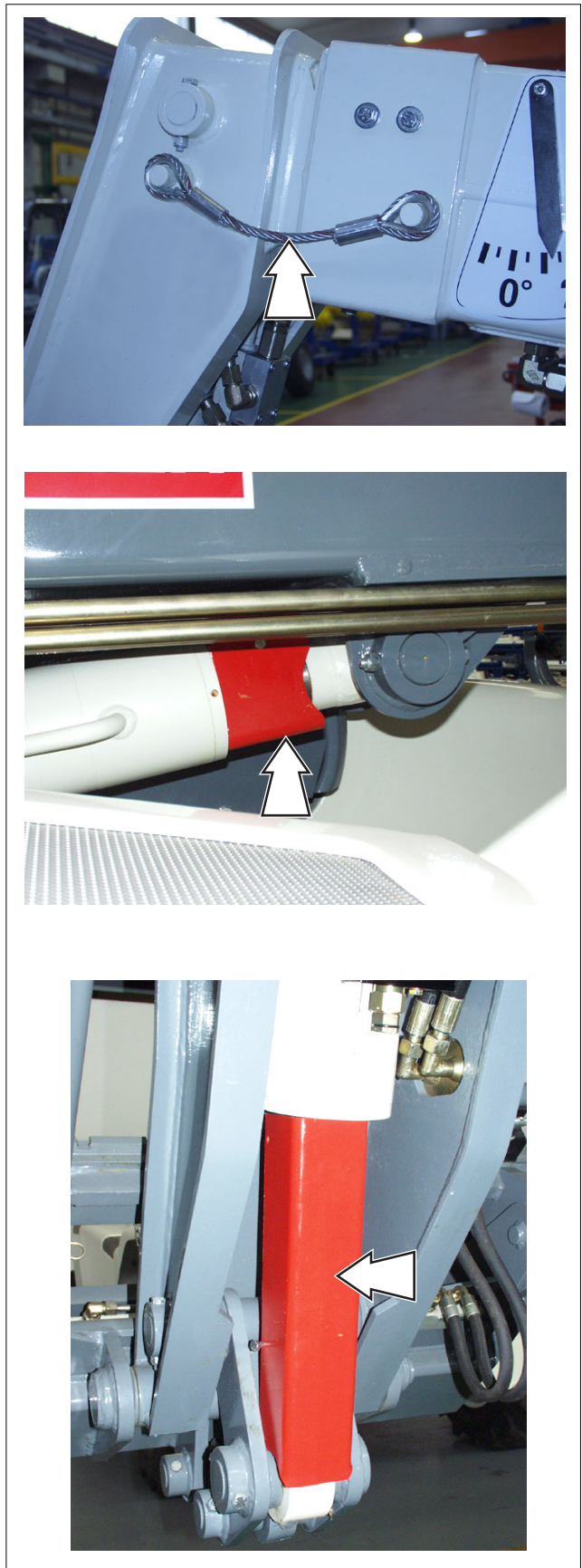
- Retract boom and attachment to transfer position.
- Make sure that lights, horn and turn signals are in working order.
- Start the machine (the beacon will switch on automatically).
- Select the forward or reverse speed.
- The transfer speed of the vehicle will depend on the engine rpm.

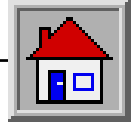


**CAUTION**

**Public road circulation is allowed only for transferring an unloaded machine.**

**Do not use the Telelift 2506 for towing purposes.**





**MAINTENANCE**

■ D-3.3 GREASING

**ATTENTION**

**Before injecting grease into the greasers, thoroughly clean them to avoid that mud, dust or other matters can mix with the lubricant and reduce or annihilate the lubrication effect.**



**Remove any old grease with a degreaser from the telescopes before smearing them with new grease.**

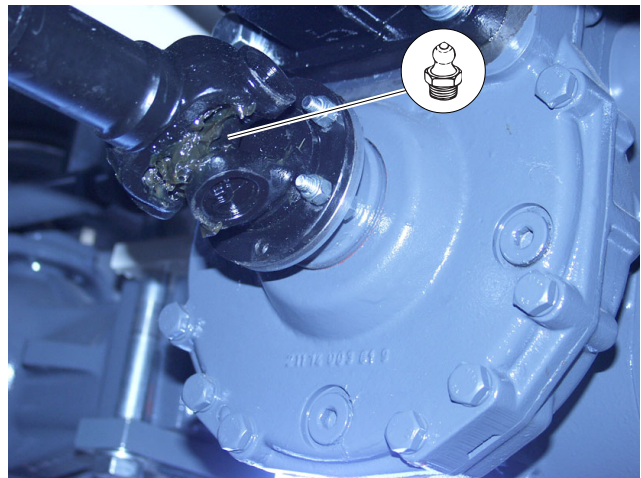
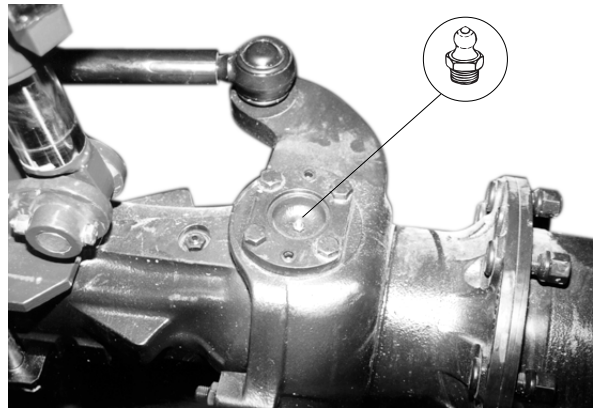
Regularly grease the machine to grant it efficient conditions and a long life.

By means of a pump, inject grease into the special greasers.

As the fresh grease comes out, stop the operation.

The greasing points are shown in the following figures:

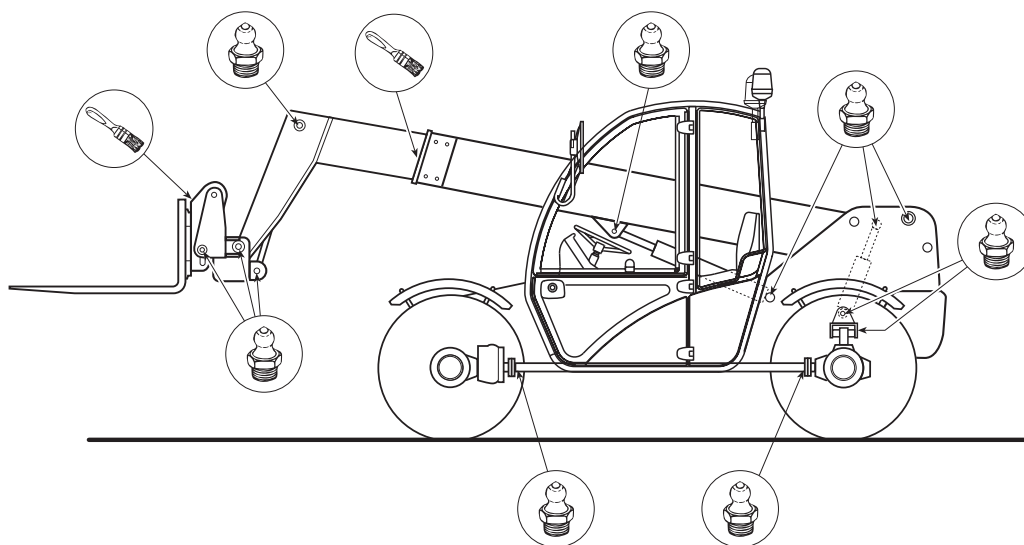
- the symbol  represents the points to be greased by a pump
- the symbol  represents the points to be greased by a brush.

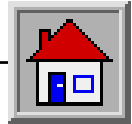


 **SERVICE INTERVAL**

Running-in \_\_\_\_\_ None

Ordinary \_\_\_\_\_ **Every 10 hours**





**MAINTENANCE**

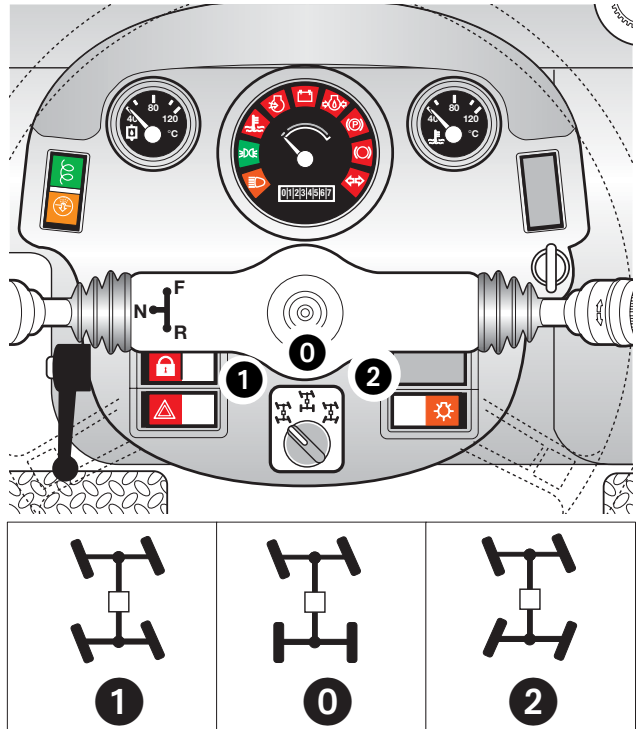
**D-3.13 SHAFTING ALIGNMENT**

During operation, the alignment of the front and rear axles of the machine can be subject to variations. This can depend on an oil blow-by from the steering control circuit, or on a steering of both axles when front and rear wheels are not perfectly aligned.

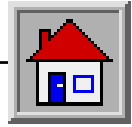
To fix this problem, rather than checking the alignment visually, follow the procedure below:

- 1) Move to a solid and level ground
- 2) Set the steering selection switch **11** to “**four-wheel steer**” (pos. **2**)
- 3) Rotate the steering up to its stop (either to the right or to the left)
- 4) Set the steering selection switch to “**two-wheel steer**” (pos. **0**)
- 5) Rotate the steering up to its stop (turn in the same direction as above)
- 6) Reset the steering selection switch to “**four-wheel steer**” (pos. **2**)
- 7) Rotate the steering (to the side opposite to point **3**) so that the rear axle reaches its stop
- 8) Reset the steering selection switch to “**two-wheel steer**” (pos. **0**)
- 9) Rotate the steering (to the same side as in point **7**) so that the front axle reaches its stop
- 10) Reset the steering selection switch to “**four-wheel steer**” (pos. **2**)

Now the wheels should be re-aligned.



	<b>SERVICE INTERVAL</b>
Running-in _____	<b>None</b>
Ordinary _____	<b>When necessary</b>

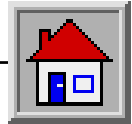


**Section E**

**FAULTS AND  
TROUBLESHOOTING**

**TABLE OF CONTENTS**

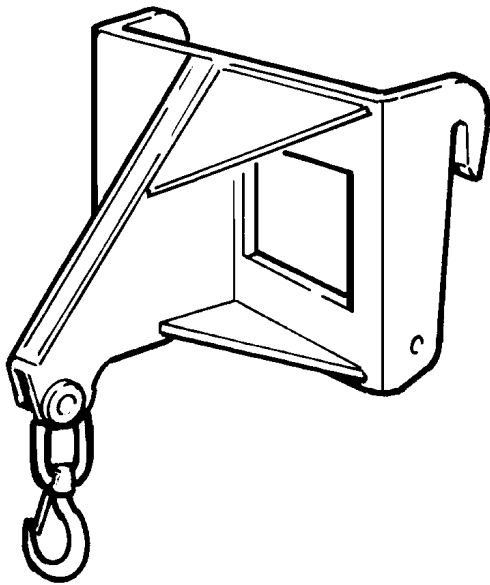
<b>E-1</b>	<b>FAULTS AND TROUBLESHOOTING .....</b>	<b>E-2</b>
<b>E-1.1</b>	<b>Fault - Cause - Solution .....</b>	<b>E-2</b>



**OPTIONAL ATTACHMENTS**

■ **F-1.3 FIXED HOOK ON PLATE**

<b>Payload</b>	<b>Telelift 2506-Agrilift 625</b>
2500 kg	59.0700.0000



**Application**

Quick-coupling fitted attachment for lifting loads by means of special slings.

**Safety**

Strictly obey the general safety precautions given in section **B** "SAFETY".  
Do not oscillate the load.  
Do not drag hooked loads.  
Lift the load before extending the boom.

**Operation**

Fork the hook and hold it in position by means of the locking cylinder.  
All loads must be bridled with special textile slings or chains in compliance with all pertinent regulations.  
To handle the load, raise and rotate the telescopic boom of the handler.

**Maintenance**

Visually check the hook for damage before using it.  
Check the safety catch is in good working order.

**Technical data**

<b>Payload</b>	<b>kg</b>	<b>2500</b>
Width	mm	970
Length	mm	620
Height	mm	600
Weight	kg	105

**IMPORTANT**

*The fixed hook has been designed to support a load of 2500 kg. The max payload corresponds to the nominal capacity rating of the handler on which it is installed and is indicated on the load charts supplied with the equipment.*

**IMPORTANT**

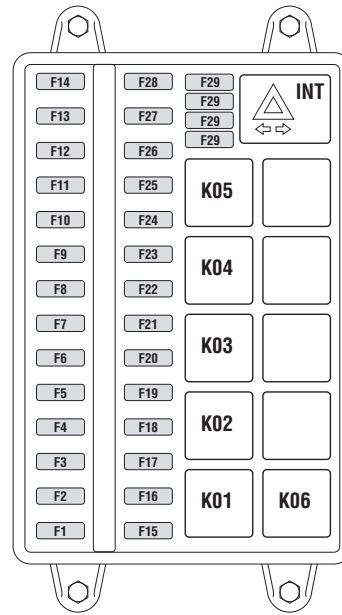
*Make sure this attachment can be used in the destination country of the machine. In Italy, this attachment must be enrolled at ISPESL and submitted to yearly test.  
Application must be submitted directly by the user.*



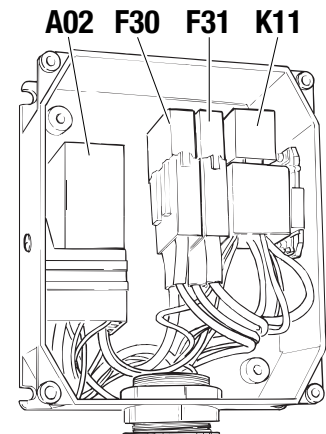
**TABLES AND DOCUMENTS ENCLOSED**

**■ G-3.1 WIRING DIAGRAM - FUSES AND RELAYS**

Ref.	Circuit	Amp.
F1	Power supply: interior lamp, emergency switch, turn signals +30	15
F2	Power supply: K04 relay	7,5
F3	Optional	15
F4	Front right/rear left position lights, license plate lights, position lights indicator, engine oil temperature indicator	5
F5	Front left/rear right position lights, fuel gauge-hourmeter-warning lamps lighting, engine oil cooling temperature indicator light, fan switch, lights selection switch	5
F6	Right low beam	7,5
F7	Left low beam	7,5
F8	Right high beam	10
F9	Left high beam, High beam warning lamp	10
F10	Horn	15
F11	Windscreen washer kit	10
F12	Optional	-
F13	Optional	-
F14	Optional	-
F15	Preheating control unit power supply	5
F16	Power supply: hydraulic stop, fuel gauge-hourmeter-warning lamps indicator, engine oil cooling temperature indicator, engine oil temperature indicator K04 relay pickup, air filter warning light, preheating warning light, road safety switch	5
F17	Power supply: hazard warning light and turn signals switch +15	15
F18	Power supply: light switch - windscreen washer switch, windscreen washer motor	15
F19	Heating system fan power supply	15
F20	Road safety switch power supply	7,5
F21	Power supply: beacon	10
F22	Engine stop mushroom-head button power supply	10
F23	Relay K02/Relay K05 power supply	7,5
F24	Relay K06 power supply	5
F25	Parking brake switch power supply	10
F26	Optional	-
F27	Optional	-
F28	Optional	-
F29	Spare fuses	-

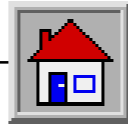


Ref.	Circuit	Amp.
F30	Preheating control unit maxifuse	50
F31	System protection fuse	50
K11	Start relay	
A02	Preheating control unit	

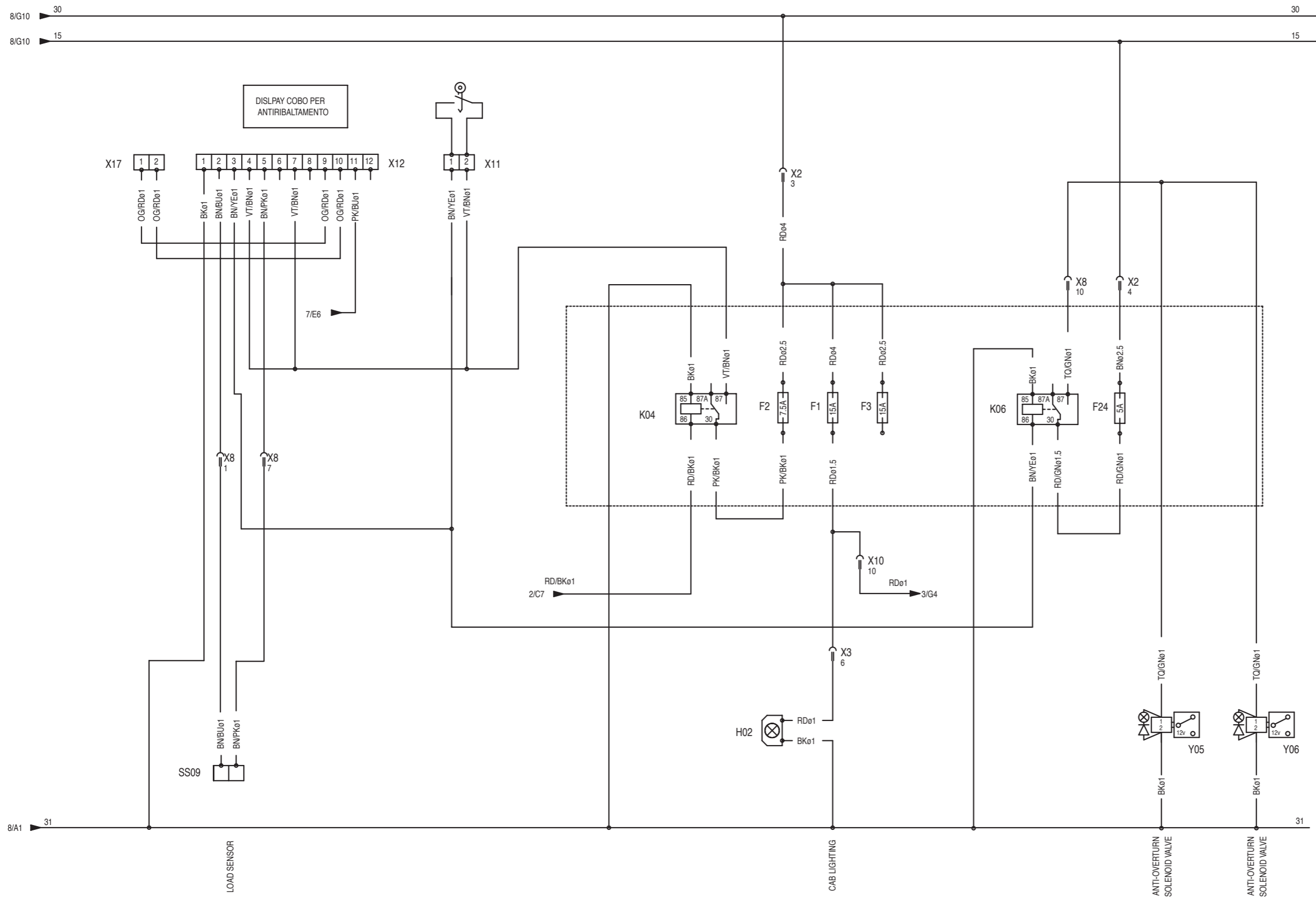


**RELAYS**

Ref.	Circuit
K01	Starting enabling command
K02	Forward speed enabling command
K03	Inhibition with brake pedal stepped down
K04	Overload warning system control unit enabling command
K05	Reverse speed enabling command
K06	Overload warning system solenoid valve enabling command



Sheet 9/9  
From serial no. xxxxx  
To serial no. 10739



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