TILT AND SLIDE RECOVERY BODY

USER'S HANDBOOK

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Invoice No

Customer

Date

Dear Sir/Madame,

May I thank you for placing your order with ourselves and trust that you will find the vehicle up the high standards we set.

As you may be aware EEC Directives in relation to Health & Safety place certain requirements on manufactures of vehicles. Recovery vehicles do not escape this legislation and must comply with **BS7901: 2002.**

As a manufacturer we are striving to keep abreast of the changing laws and to this end we have revised the way our vehicles are presented.

All vehicles manufactured by **Nugent Coachworks** have been tested in compliance with existing legislation. The enclosed certificate gives all relevant data for your vehicle such as axle weights, un-laden weights, second car lift weight limits, winch details and details of the rope fitted to the winch.

The documentation to the rear of the certificate is the individual proof load tests, winch conformity details and winch rope test results. Please ensure that you keep these in a safe place as they may be examined at time of periodic inspection. However if you do mislay any of the documentation duplicates can be obtained from this company.

The product you have purchased has been designed, fabricated and manufactured with great care using first class components and materials. Provided the operating and maintenance instructions detailed within this manual are followed the equipment should perform satisfactorily and safely over a long period of time.

Most of these areas have overlapping connections, meaning that operating and maintaining, the vehicle should be viewed in its entirety. To ensure the longevity of the product you must follow the recommended maintenance procedure found on page x of this booklet. For warranty or spare parts, please go to the appropriate section stated in the index.

All vehicle operators must fully understand this booklet and be fully trained to operate this vehicle. Any misuse of this vehicle may lead to the compromise of the vehicle warranty. A sign off sheet is available at the rear of this booklet. If you have any queries which you believe has not been met in this booklet, please contact ourselves using the methods available on the front page.

Again, may I take this opportunity to thank you for your custom.

Vehicle specification

Nugent Coachworks provides the following aspects as standard for their “tilt and slide.” Extra specifications are available on request and detailed in the customer order form;

· Purpose designed, weight specified body.

Using years of experience in the recovery market, applying the most up to date design and fabrication and manufacture techniques, we custom make each body to suit your needs. Ranging from 16 to 24 feet as standard, our strengthened bodies allow you the peace of mind to safely carry your required weight.

· Incorporated design features.

With our colour coded folded chimes, designed to add both strength and aesthetic value, alongside a 3mm painted checker plate floor, made to your required width and length, your body is durable, practical and eye- catching. Ten to twelve lashing ties allow you to secure your load comfortably first time regardless of vehicle load length

· Smooth release body.

Using only the highest standards of components, our smooth flow hydraulic package offers a body release system which allows for both swift body movement and slow precision adjustment

· Hand held remote control function.

Nugent Coachworks provide an easy to use hand held remote control system as standard for our vehicles. Allowing full visual access to your vehicle as you remove or return your body, you can ensure that optimum work practice, best H&S practice and product longevity are facilitated.

· Custom made ram system.

Due to the differences on chassis and owner requirement, we custom order all our rams to give you the best loading angle for your body. Using lock and check systems for added safety, your body holds secure in any position.

· Fully galvanized under chassis.

Providing the necessary structure for attaching your recovery body to your chassis, our galvanized under chassis is one thing less to worry about. Durable and rust free giving you the longevity you require

- ## Fully galvanized spectacle lift

With variable height and extension, our fully galvanized spec lift with a one and a half tonne lift capacity and low profile spec head, complete with anti-slip valves for added safety, gives you a balanced system for second vehicle transport.

- ## Aluminum tail board

Our rear tail board comes colour coded and includes number plate lights, work lights and tail lights.

- ## Incorporated flyer.

Our strengthened flyer adding style and finish to your body, with inbuilt tail-lights and work light feature makes sure that your vehicle is well lit and visible, even when the body is off

- ## High quality beacon.

Positioned on top of the flyer we provide five foot a top quality, four rotator beacon with illuminated centre as standard.

- ## Ten-Thousand-pound remote control winch.

Allowing for full functionality, our 10000 lbs hydraulic winch, complete with remote function complements any Nugent 2000 recovery body

- ## In Cab illuminated switches.

In order for you to keep the conversion of your chassis as tidy as possible we provide PAS 43 compliant illuminated beacon and work light switches fitted neatly into your dashboard, as well as mounted PTO switch.

Tilt and Slide Safety Notes

- The operating capacity on this vehicle can represent a serious potential hazard to persons if the equipment is used inappropriately. Always take extreme care to minimise risk through training.

- Always keep the vehicle is safe mode when not in use. Safe mode dictates that the bed is fully returned to the chassis, second car lift is in store position, winch cable is returned and PTO is disengaged.

- Ensure all persons are clear of moving equipment when in use.

- Ensure equipment is operated at all times by properly trained competent and responsible personnel

- Do not operate the equipment unless it is fully functional and has been properly maintained

Mechanical damage may be caused to the equipment due to mis-use. Please take the following precautions:

- Ensure the vehicle being moved is not in conflict with your vehicles design and manufacture capabilities.

- Do not obstruct or restrict moving parts.

- Ensure no foreign objects are interfering with the moving parts.

- Never overload the bed, top deck or second car lift or put inappropriate vehicles onto the bed, top deck or second car lift. Also, all loads must be centred (side to side) to ensure the bed, top deck or second car lift perform optimally and uneven stress is not placed on the hydraulic rams resulting in possible damage to the ram seals.

- When the bed is loaded, never fully extend slide ram without using tilt rams to properly distribute the weight of your load.

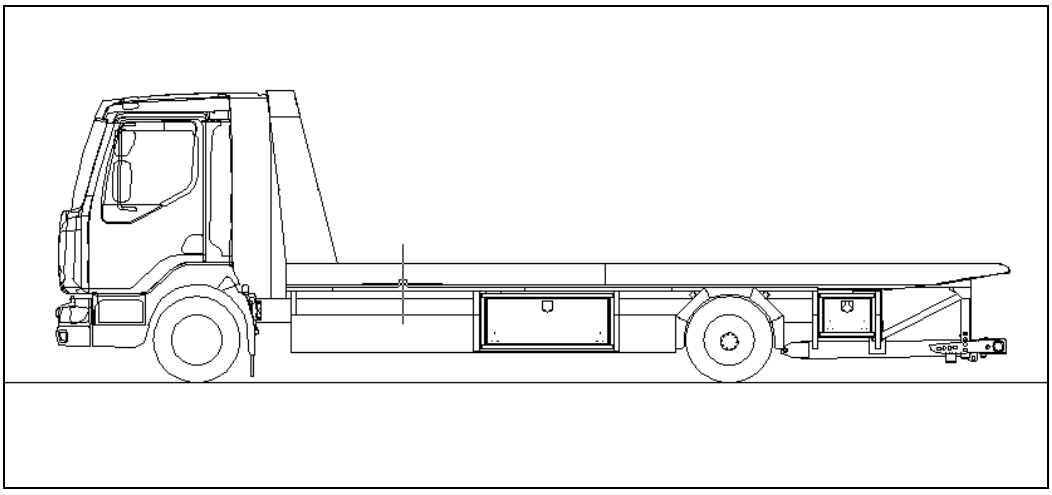
- When using the remote control to return your bed, loaded or unloaded, always remove pressure on the button when bed has returned by 80% allowing the bed to fully return to its flat position. When bed has fully returned to flat position you can complete return.

Tilt and Slide Operation

Bed

- Make sure your lorry is parked in a safe working position, with the hand brake engaged. (fig. 1)
- Engage PTO.
- Remove bed using either remote control or manual levers. (If using remote control ensure the tilt lever is set to automatic in control box). (fig. 2)
- Always keep visual awareness over your environment in case this is changeable.
- Fully extend bed. (fig. 3)
- Mount vehicle onto bed maintaining close proximity to the front of the bed whilst allowing distance from winch to account for any vehicle movement. (fig. 4)
- Using primary methods, secure the vehicle on the bed (winch or vehicle braking system).
- Return bed completely to chassis, maintaining control at all times. (fig. 5)
- Disengage PTO.
- Secure vehicle with secondary methods, consistent with training.
- Do a final check for foreign objects, personal equipment and security of vehicle.

FIG. 1



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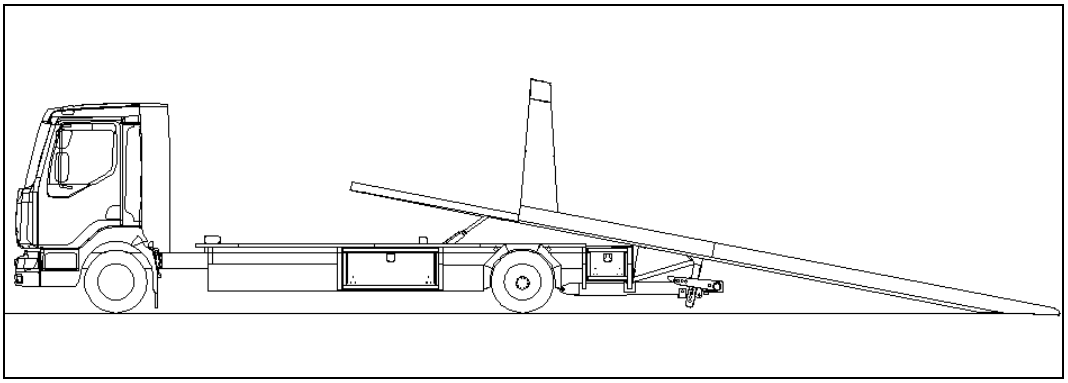

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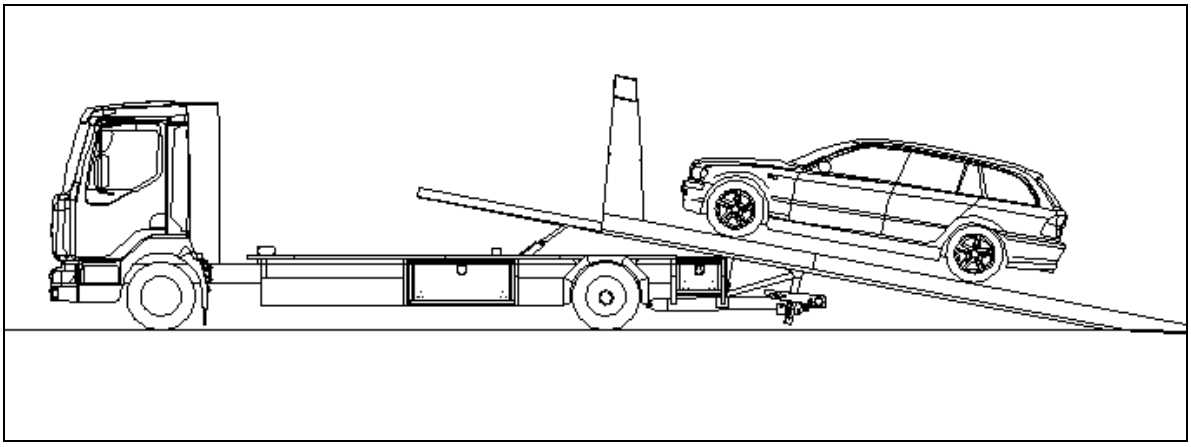

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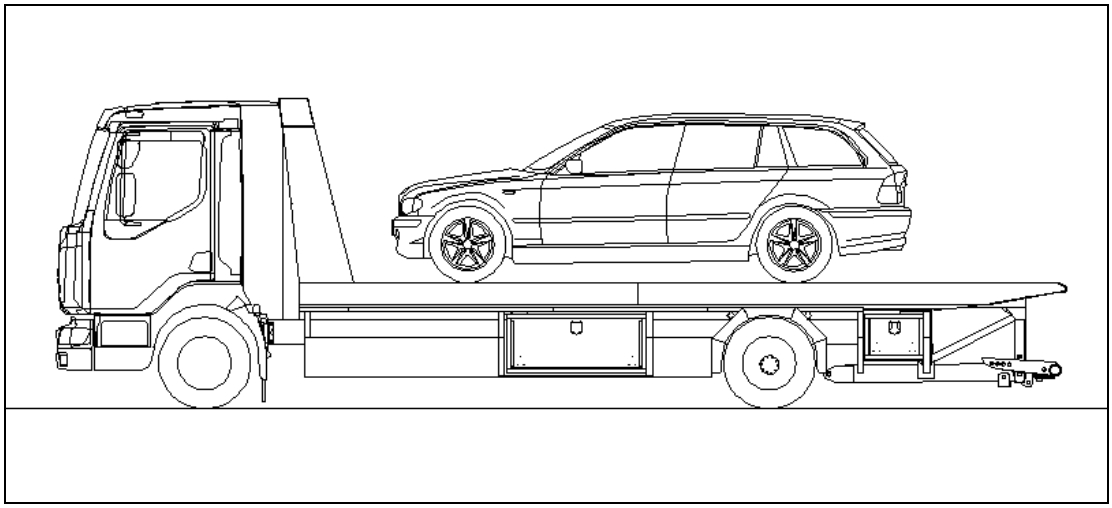
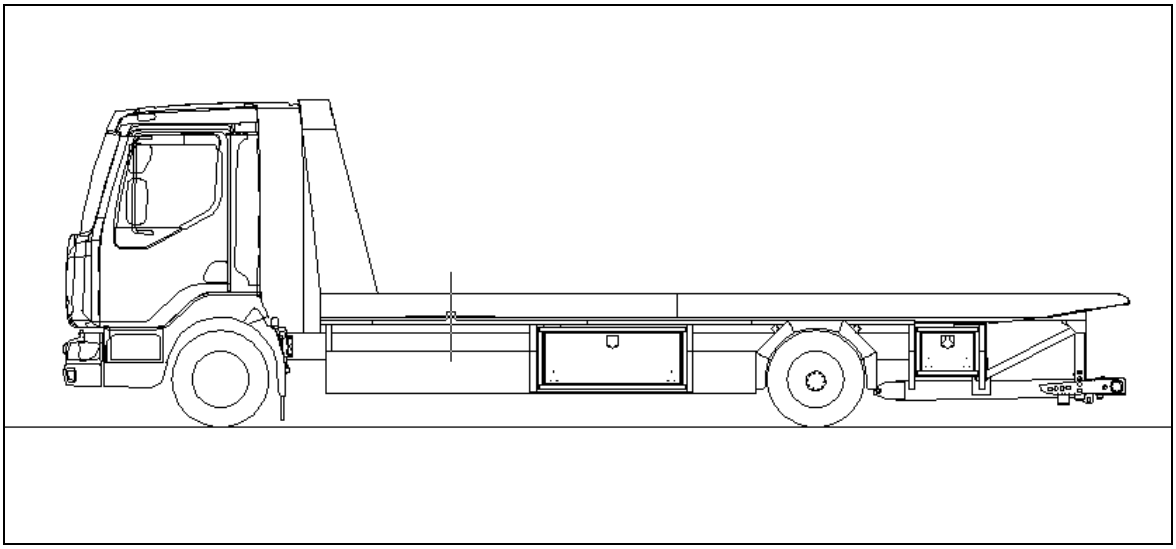


Winch

- Make sure your lorry is parked in a safe working position, with the hand brake engaged. (fig. 1)
- Engage PTO.
- Remove bed using either remote control or manual levers. (If using remote control ensure the tilt lever is set to automatic in control box). (fig. 2)
- Always keep visual awareness over your environment in case this is changeable.
- Fully extend bed. (fig.3)
- Extend winch cable using either remote control or manual levers.
- Always keep visual awareness over your environment in case this is changeable.
- Attach winch cable to vehicle (as per training).
- Using either manual levers or remote control, operate the winch (as per training) to move vehicle onto the centre of the bed side to side.
- When the bed is returned and the vehicle is secured for transport, safely detach the winch from the vehicle.
- Disengage PTO.
- Do a final check for foreign objects, personal equipment and security of vehicle.

FIG. 1



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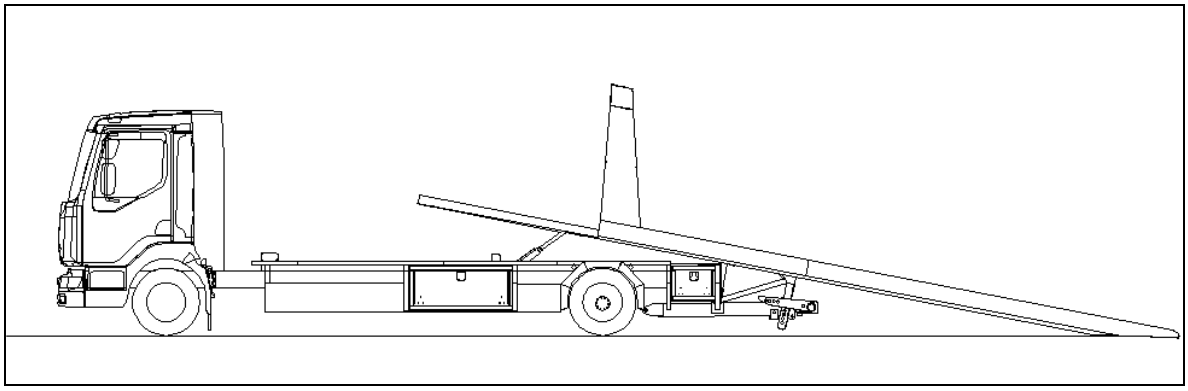

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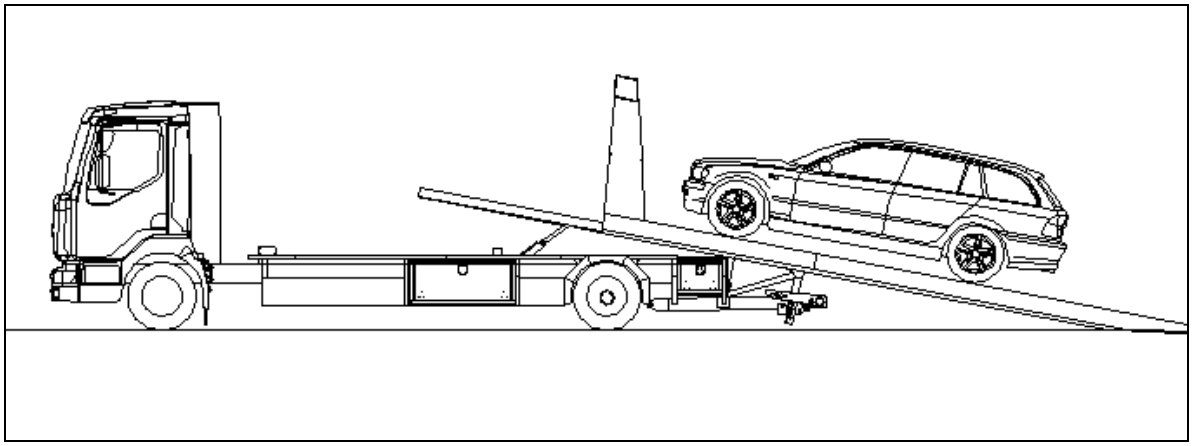

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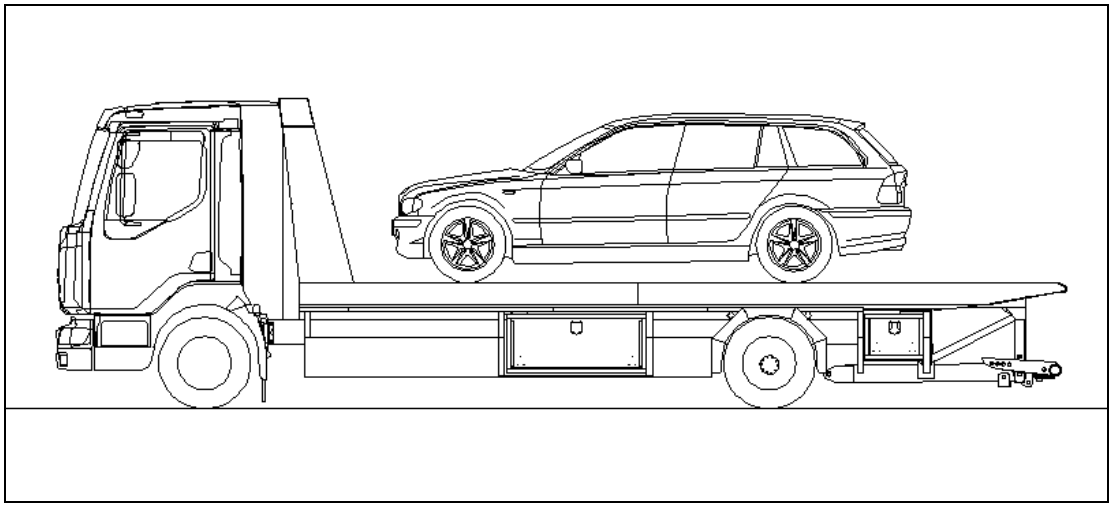
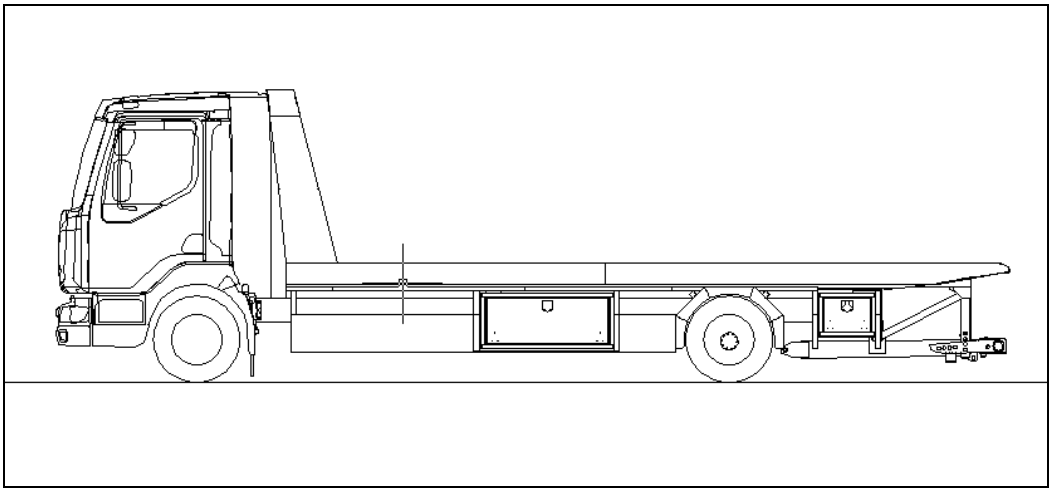


Second car lift

- Make sure your lorry is parked in a safe working position, with the hand brake engaged. (fig. 1)
- Engage PTO.
- Using the manual levers, lower the second car lift from safe position to level. Then using the manual levers, extend second car lift to required distance. Finally, lower the second car lift head to load position. (fig. 2)
- Removing the adjustable spec pins if necessary put vehicle safely onto second car lift head (as per training).
- Secure vehicle.
- Using the manual levers, raise the second car lift to travel position. Always keep visual awareness over your environment in case this is changeable. (fig. 4)
- Recheck vehicle security.
- Disengage PTO.
- Do a final check for foreign objects, personal equipment and security of vehicle.

FIG. 1



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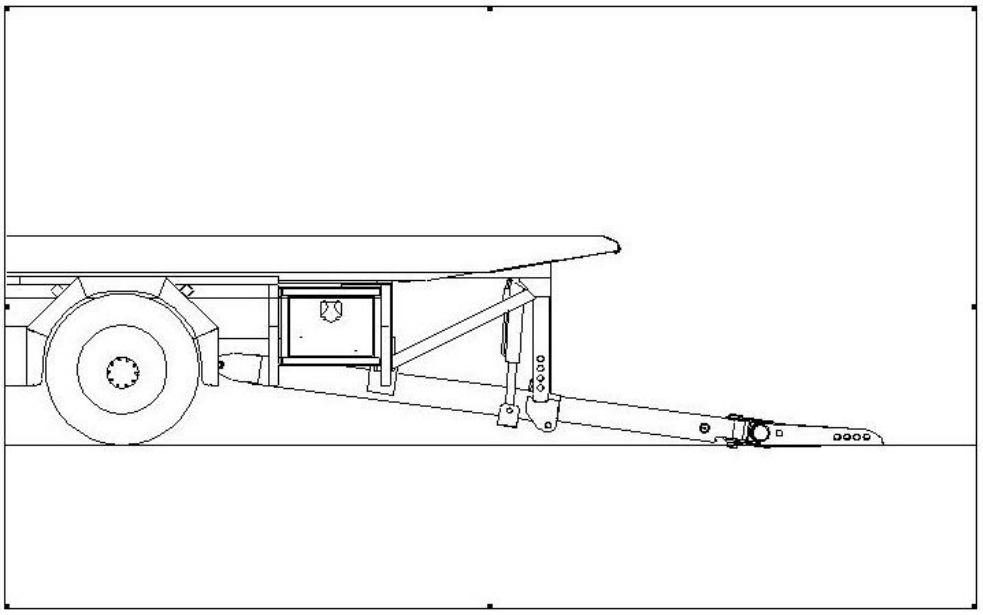

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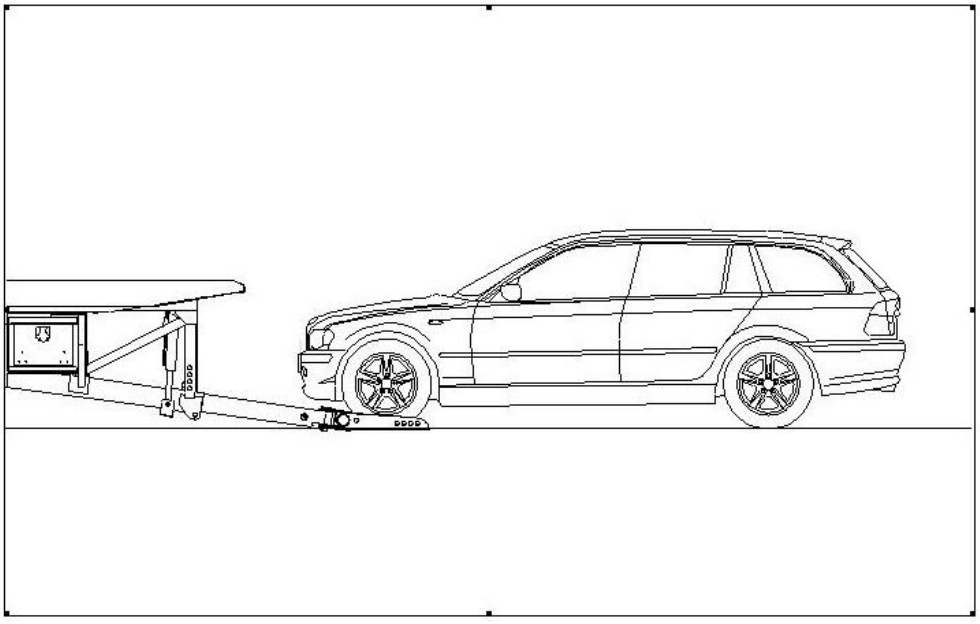

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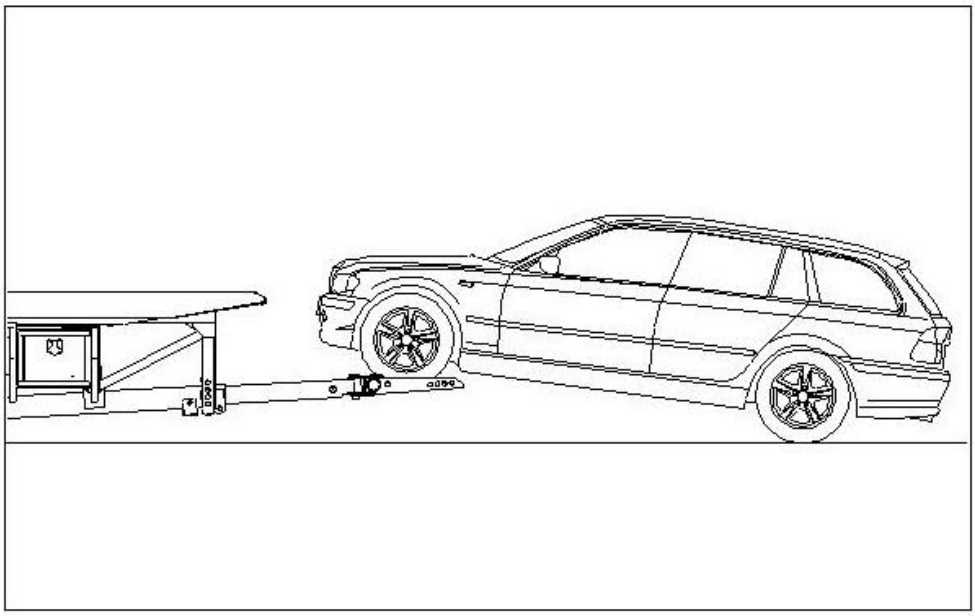
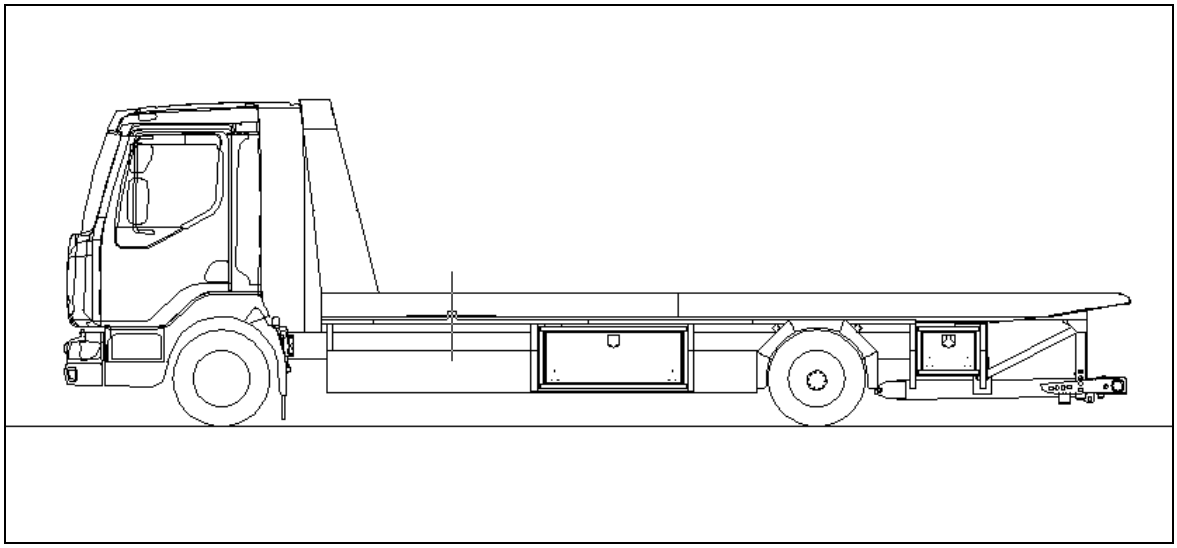


Top Deck

- Make sure your lorry is parked in a safe working position, with the hand brake engaged. (fig. 1)
- Engage PTO.
- Remove bed using either remote control or manual levers. (If using remote control ensure the tilt lever is set to automatic in control box). (fig. 2)
- Always keep visual awareness over your environment in case this is changeable.
- Fully extend bed. (fig. 3)
- Mount vehicle onto top deck bed maintaining close proximity to the front of the bed whilst allowing distance from winch to account for any vehicle movement. (fig. 4)
- Secure the vehicle on the top deck bed.
- Engage the top deck via lever.
- Bring the top deck to point 1, and engage locks. (fig. 5)
- Bring the top deck to point 2. (fig. 6)
- Recheck security attachments, (vehicle securing system and top deck locks).
- Complete second load.
- Disengage PTO.
- Do a final check for foreign objects, personal equipment and security of vehicle.

FIG. 1



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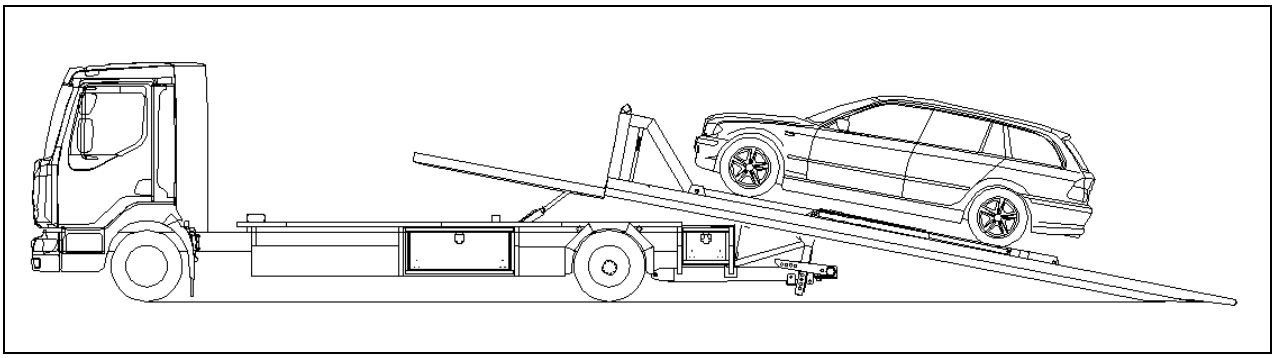

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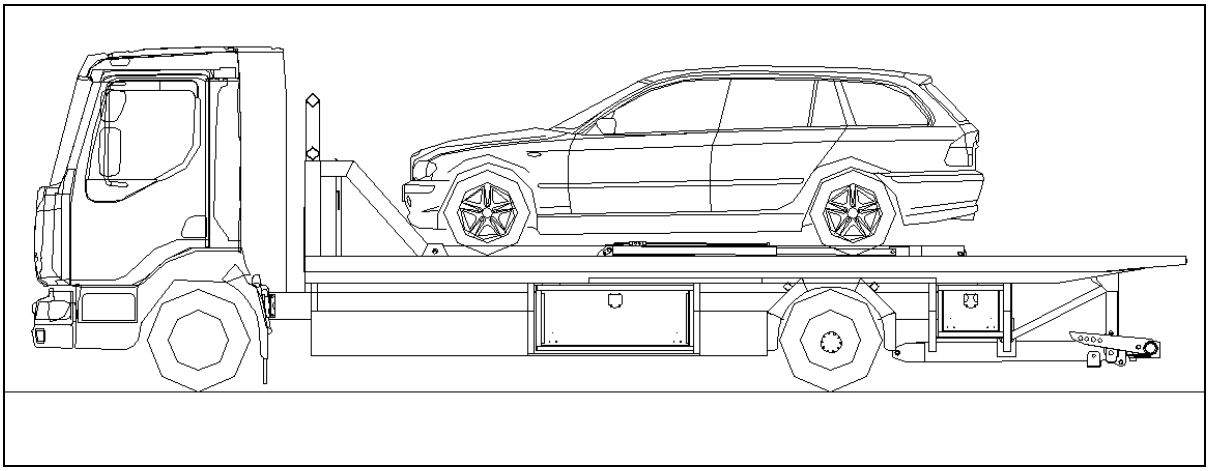
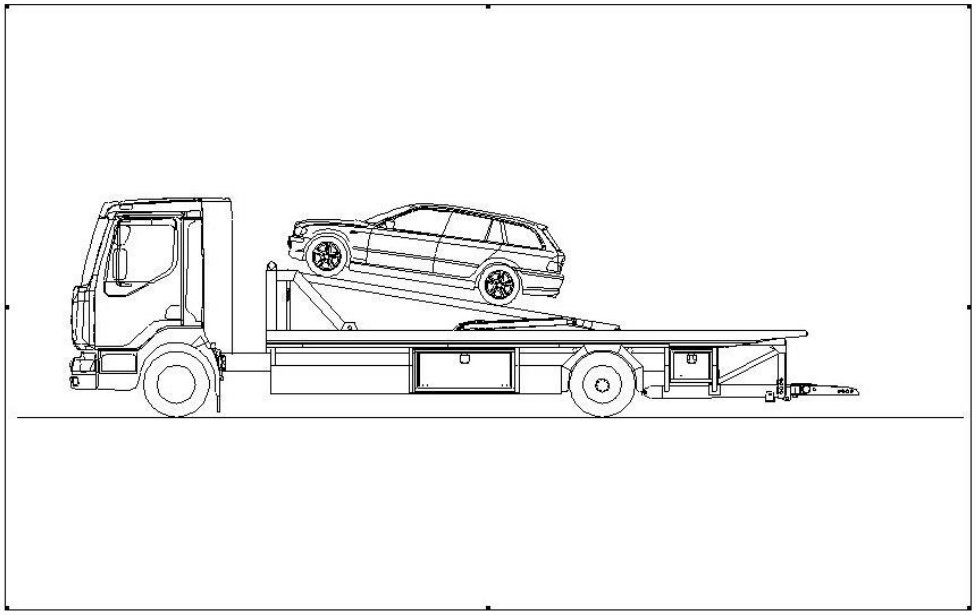


Fig. 4



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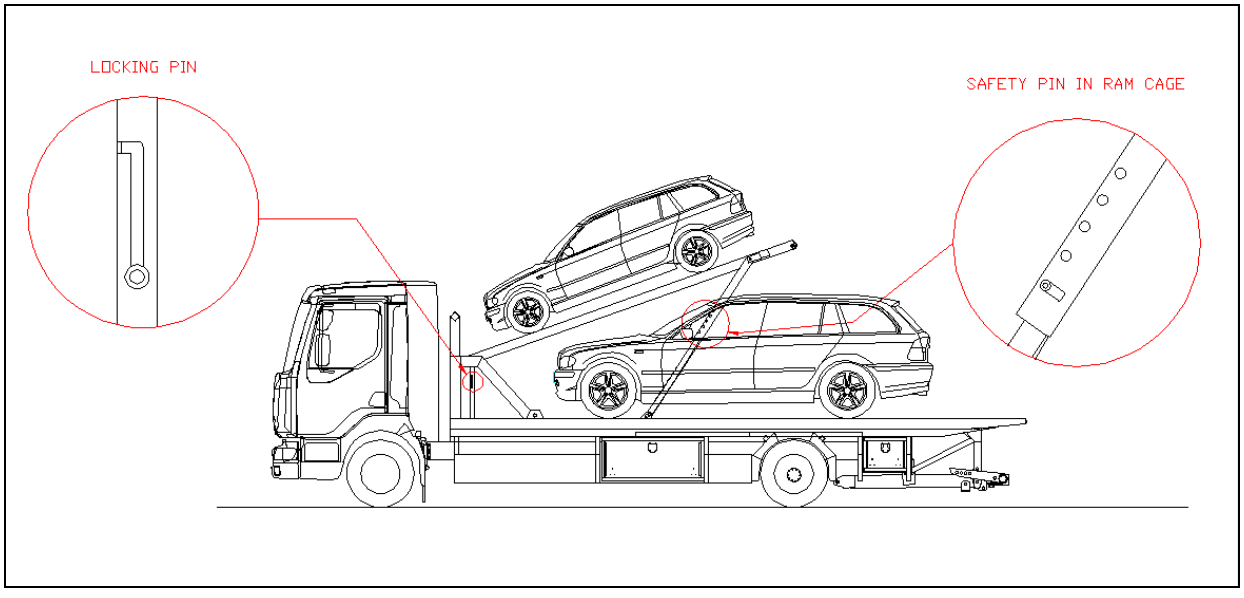


Tilt and slide Maintenance

ENSURE ALL MAINTENANCE WORK IS CARRIED OUT BY RESPONSIBLE, COMPETENT AND PROPERLY TRAINED AND EQUIPED PERSONNEL.

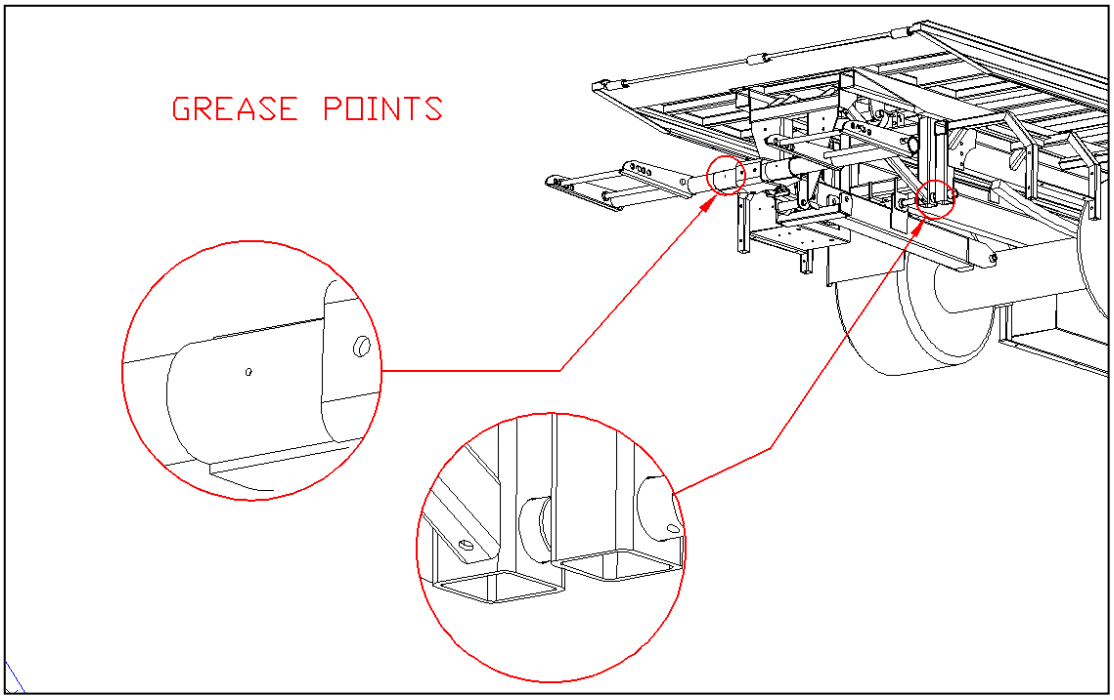
- Fabrication – including body and under chassis,
- Hydraulics – including valve block and rams,
- Electrics – including lights and beacons
- Winch,
- Additions – including second car lift and top deck

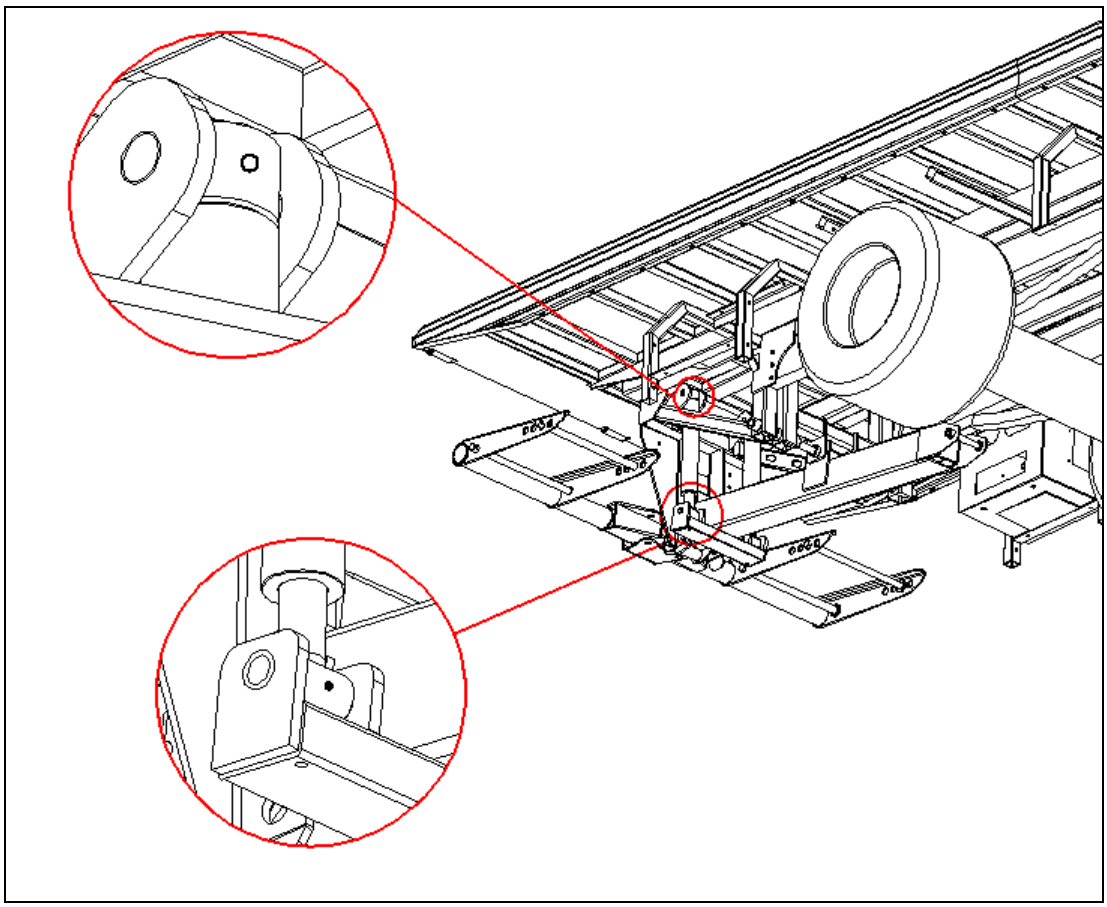
Daily:

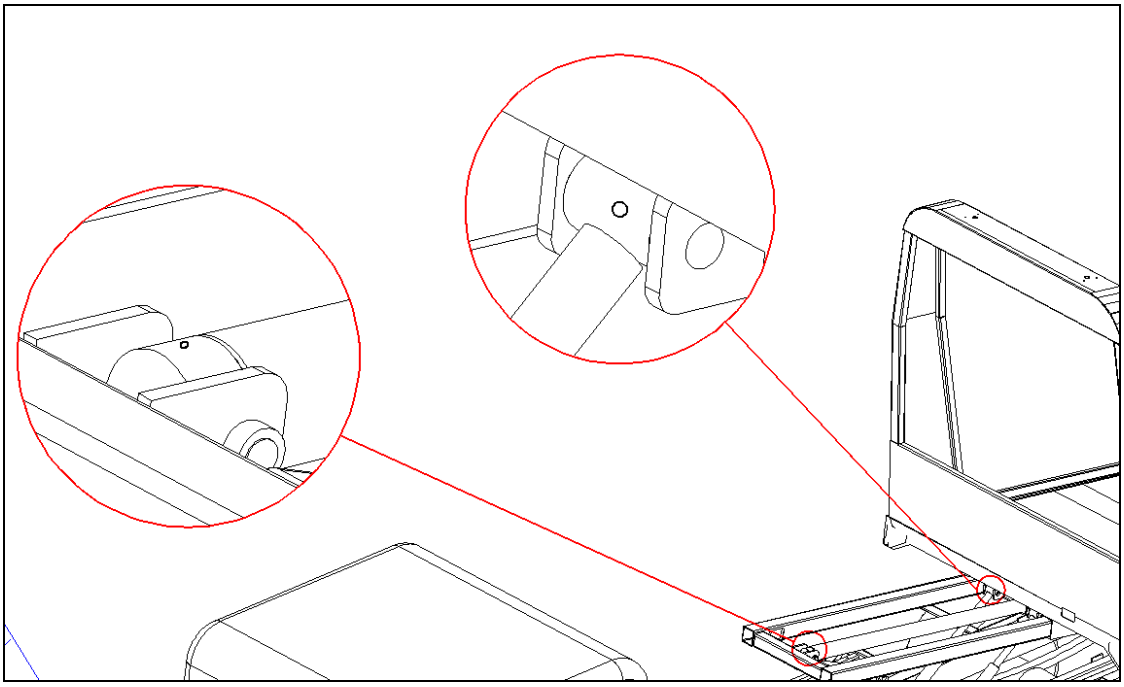
1. Check bed for any debris from last job and then start engine and engage PTO to lift empty bed.
2. Check all visual leads and pipes to ensure none have been inadvertently pulled.
3. Check winch and second car lift functions.
4. Using in cab switches and pedals, check all lights and beacon.

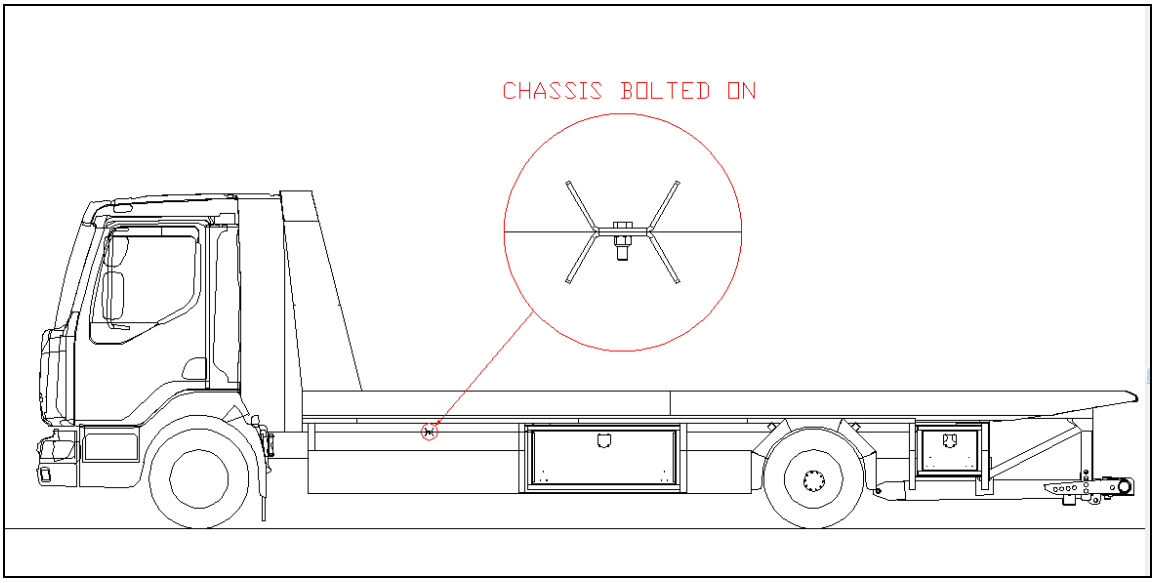
Weekly:

1. Examine all pivot bushings and pins for discernable wear before greasing. Use a good quality H.M.P. grease to lubricate greasing points as indicated
2. Grease tilt rams on main body and lift rams on second car lift.
3. Check all bolts which connect the chassis to the under chassis.


GREASE POINTS







Carefully check every hydraulic ram and hose for signs of damage/leakage. It is recommended to change hydraulic hoses completely after four years of normal service.

Hydraulic Emergency Procedure

In the event of an electrical fault i.e. remote hand piece not functional or misplaced. Screw in the emergency bypass as highlighted with the red arrow. (HAND TIGHT ONLY DO NOT USE ANY TOOLS)

When the emergency bypass is active no emergency stops or safety features will function, this procedure is only to be used in emergency situations. In normal operation this bypass must be in the out position.

No responsibility will be taken by the manufacture if this function is misused.

Spare Parts

When ordering spare parts for your Nugent Coachworks tilt and slide please observe the following procedure:

- State Vehicle registration model and serial number.
- State the quantity of each part required.
- State name and address and agree method of delivery/collection of parts.

It is in the interest of the customer to use spares manufactured and supplied by Nugent Coachworks. Parts not so supplied may not be relied upon for correct material, dimension or finish. Nugent Engineering cannot therefore be responsible for consequential damage arising from the use of such unapproved spares, and the Guarantee will become invalid.

THE NUGENT COACHWORKS GUARANTEE

Subject to hereunder provided, the Sellers undertake to correct either by repair, or at their election, by replacement, any defect of material or workmanship which in any of its goods within twelve months after delivery of such goods to a first user.

The term 'goods' when used in this document means the article or articles described in invoice as sold by the Sellers but does not include equipment or proprietary parts or accessories not manufactured by the Sellers. The Sellers, however, undertake to pass on so far as they legally can, to the first user the benefit of any warranty given to the Sellers by the suppliers of such equipment, parts or accessories.

The understanding shall not apply to:

a) Any goods, which have not been sold by the first user.
b) Any goods, which have been damaged by unfair wear and tear, neglect and improper use.
c) Any goods the identification marks of which have been altered or removed.
d) Any goods, which have not received the basic normal maintenance such as tightening of bolts, nuts, hose connections and fittings, general maintenance of pto, hydraulics, lights and electrics and normal lubrication.
e) Any goods, which have been altered or repaired other than on instruction or with having written approval by the Sellers has been fixed.
f) Any second-hand goods or part thereof.

Any allegedly defective part or parts returned to the Sellers must be sent carriage paid. No claim for repair or replacement will be entertained unless upon discovery of the alleged defect written notification is sent to the Sellers giving, at the same time, the name of the Buyer from whom the goods were purchased and the date of purchase together with full details of the alleged defect and the circumstances involved, also the serial number of the machine components.

The Sellers shall be under no liability to their Buyers and first and subsequent users of their goods or to any other persons for loss or damages howsoever arising out of, or in any way connected with or arising from the manufacture, sale, handling, repair, maintenance, replacement or use of its goods or the failure of malfunction of any of its goods.

Representation and / or warranties made by any person (including Buyers, employees and other representatives of the Sellers) which are inconsistent or conflicting with these conditions are not bonding upon the Sellers unless given in writing and signed by a Director of the Sellers.

Warranty for Nugent Coachworks Tilt and Slide

Enclosed in the back of this booklet are your individual certifications for all aspects of your warranty for your Nugent Coachworks project. These certificates are vital in order to activate any aspect of your warranty and should be kept safely in your office, separate from this booklet. The terms of your warranty are as follows;

Nugent Coachworks guarantees all work carried out by them for the period of one year from the date of purchase in relation to the specified capacity of the vehicle. This date is found on your invoice and must be presentable in order to have any work carried out under guarantee. The vehicle specification, capacity and tolerances are noted in your Vehicle Cover Sheet in the warranty certification. Any misuse of the vehicle may lead to the invalidation of some or all of your warranty. Where any instance arises creating conflict into the perceived cause of any fault, Nugent Coachworks will invite an independent accredited engineer to view the fault.

All Nugent coachworks vehicles are individually certified to show vehicle and component capabilities, evidencing the tolerances you must use your vehicle within. All Nugent Coachworks vehicles are subject to a final quality control inspection to maintain a high standard of vehicle.

Nugent Coachworks have entered proactive supplier relationships with all our suppliers to provide a very high standard of component. All major components supplied to us have terms which apply, requiring the return of the original part. Where by an original part is defective it must be returned to the source manufacturer to prevent charging. Major components include;

- Beacon
- Work lights
- Tail lights
- Switches
- Valve bank
- Rams
- Pto and pump
- Winch
- Remote control

Whereby you find any issues with any of these areas, please have the relevant information ready when you make contact with ourselves.

A statement of compete satisfaction is indicated when the vehicle is first collected by the customer. Any faults perceived after this point must be raised through fax or email through the methods available, with photographic support where possible to allow for the quickest possible resolution.

Any major design change made by a customer must be signed off throughout the manufacturing process. Any consequence of said design change will not be met under the terms of warranty.

Where any fault can be changed by the customer, Nugent Coachworks requests that the customer carries these out. If the vehicle requires work to be carried out by Nugent Coachwork staff, the vehicle must be brought to one of our service depots. Nugent Coachworks will endeavour to book this work in as soon as possible and carry the necessary work out as quickly as possible but cannot be deemed liable for having the vehicle of the road

NUGENT COACHWORKS

Customer Name	
Vehicle Registration	
Invoice Number	
Date of purchase	
Nature of fault	
Activity at time of fault	
Serial number of component	
Customer signature	

NUGENT COACHWORKS

Maintenance checklist for vehicle registration;			
Daily	**Performed first thing in the morning**	**Signed**	**Date**
	Clear bed from any debris.		
	Start vehicle, engage pto and lift bed.		
	Check all leads and pipes for leaks or looseness.		
	Check winch function		
	Check second car lift function		
	Check top deck function		
	Check all lights and beacon		
Weekly	**Performed on the same day every week**	**Signed**	**Date**
	Check hydraulic oil level		
	Check gear box oil level		
	Check rams		