

> INDEX:

- ▶ Introduction
- ▶ Ergonomy & Safety features
- ▶ Main components
- ▶ Options

TERBERG

YT 182 / 222 / 282

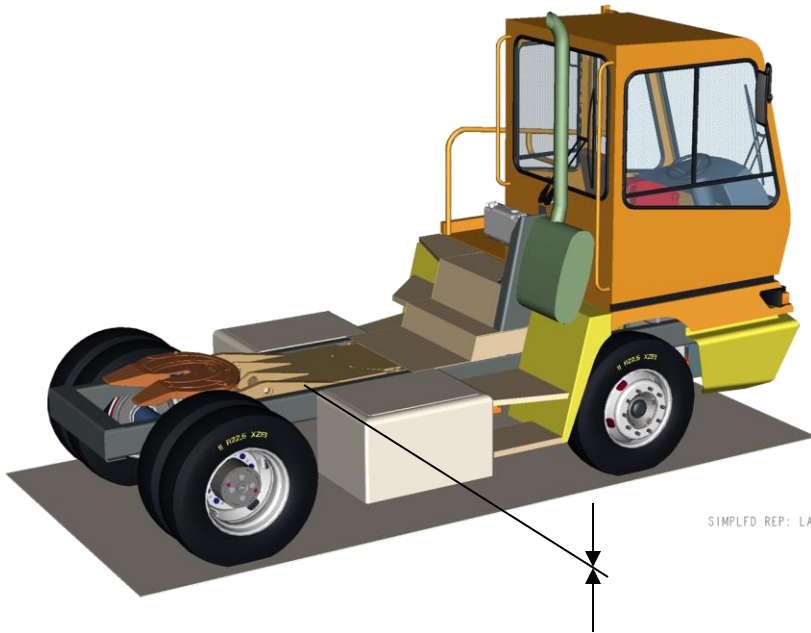
The next generation Terminal Tractors



INTRODUCTION

TERBERG YT - 182 / 222 / 282

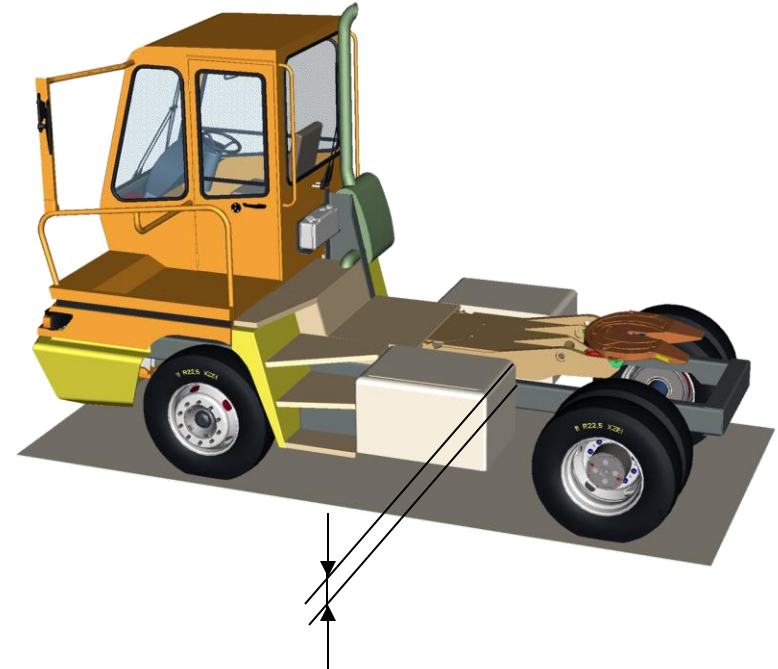




SIMPLFD REP: LAGE_SCHARNIEREN

> LOW MOUNTED LIFTFRAME

Lift Capacity
Max. 27 / 31 TON



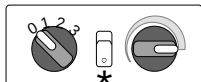
> HIGH MOUNTED LIFTFRAME

Lift Capacity
Max. 34 / 36 TON

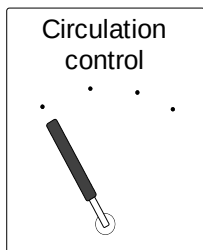
> DECK HEIGHT ADJUSTED TO LIFTFRAME POSITION

➤ INTERIOR





Switch Heater Switch airco (Optional) Temperature control



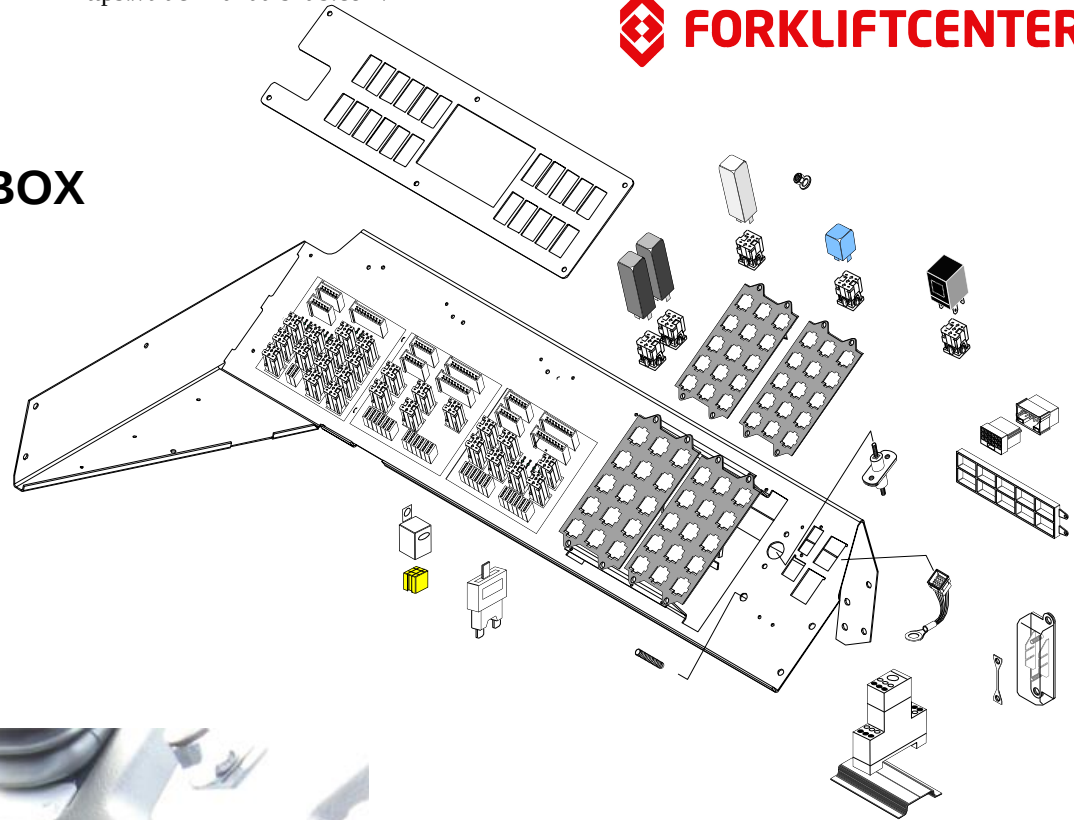
HEATER CONTROL



> CABIN HEATING SYSTEM



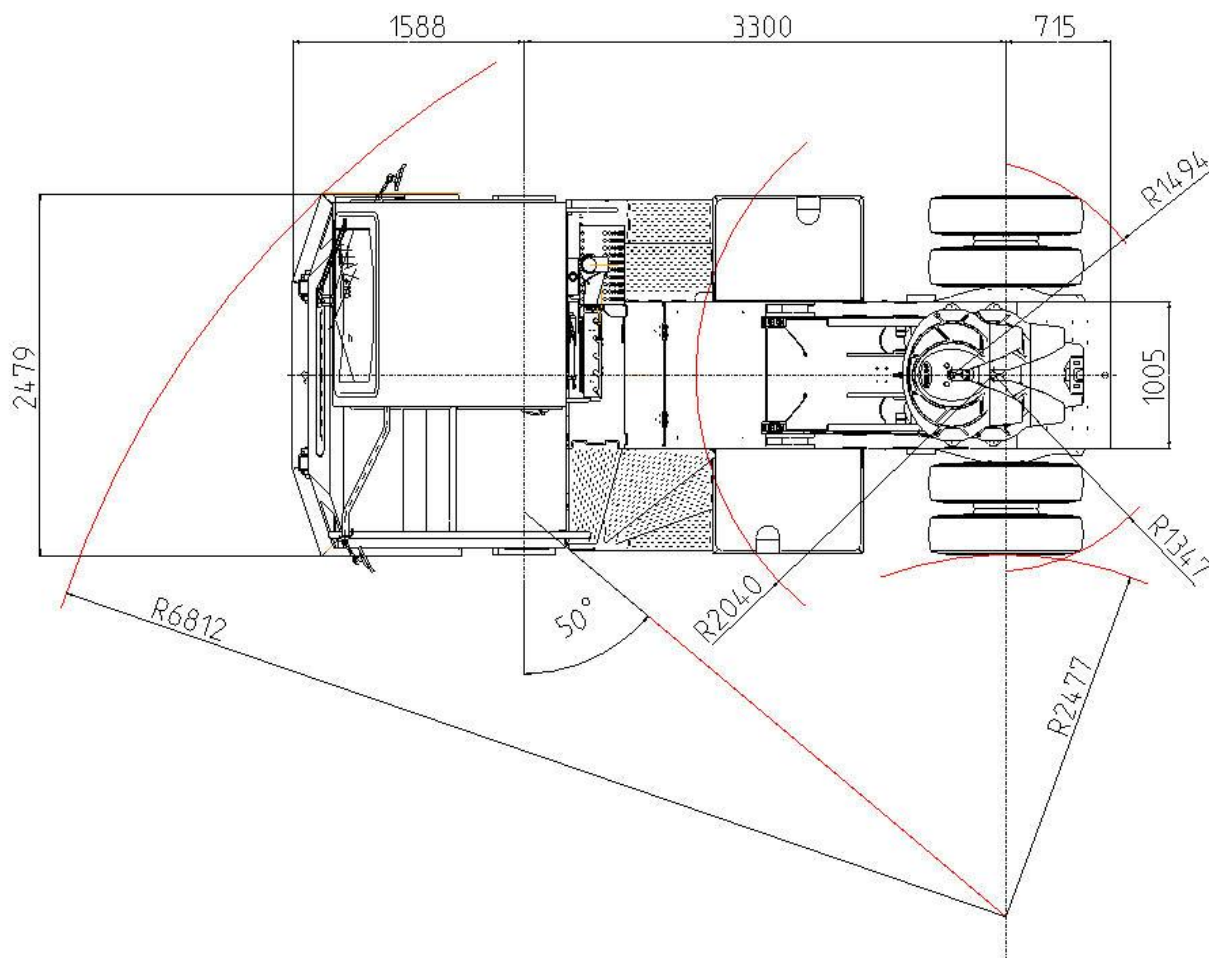
> ELECTRO SWITCHBOX



> Switches & check lights with LED



➤ TURNING CIRCLE



MAX. STEERANGLE YT= 50°
DIMENSIONS VARY BY
DIFFERENT WHEELBASES,
TIRE SIZES, ETC.

> SURFACE PROTECTION

> TRACTOR + ASSEMBLY PARTS:

- > Completed chassis construction is prior shot blasted
- > All steelwork is then pre-painted in 2- component chassis coating
- > After the final assembly a final layer of 2- component chassis coating is supplied

> TRACTOR CABIN:

- > All steelwork is shot blasted
- > Cabin seams are filled up with sealing
- > After this it is painted in 3 layers: primer, 2- component epoxy primer & PU finish layer

> ALL PAINT SYSTEMS FULFIL THE LATEST ENVIRONMENTAL REQUIREMENTS



> TOTAL COSTS OF OWNERSHIP

TERBERG CONTRIBUTES TO THE WELL BEING AND OPTIMUM PERFORMANCE OF YOUR STAFF, THROUGH THE FOLLOWING ERGONOMICALLY VERY IMPORTANT MEASURES:

- > Low noise level inside and outside**
- > A very spacious, comfortable cabin**
- > Low cabin vibration level, using special rubber mountings**
- > Cabin air filtration, ensuring a clean driver environment**
- > Optimum temperature control**
- > Ergonomically positioned driver seat and instrument / controls lay out**
- > Standard air suspended seat, giving optimum driving comfort**
- > Safe and easy cabin and work platform entrance**
- > Easy, ergonomical access to all drive line components**
- > Cabin is Rops - Fops tested, to ensure driver safety**

ALL IN ALL WILL THESE MEASURES RESULT IN LESS DRIVER FATIGUE / RISK, WHICH MEANS LESS ACCIDENTS AND ASSOCIATED LABOUR COSTS

> TOTAL COSTS OF OWNERSHIP

TECHNICAL ADVANTAGES:

- > Usage of robust and well dimensioned components reduce the M&R requirement**
- > Easy and simple installation of tractor components for a quick and efficient M&R**
- > All componentry is installed well protected, to reduce risk of down time due to accidental damage**
- > Easy and good accessible daily inspection points, increase tractor utilisation and reduce M&R costs**

REDUCTION OF FUEL CONSUMPTION:

- > Efficient engine cooling**
- > Inventive, flat radiator, easy to maintain, for an optimal heat exchange**
- > Optimum steering geometrie reduces rolling resistance and improves tyre lifetime**
- > Optional possibilities for speed and RPM limitation**
- > Optional air conditioning cutout**
- > optional engine cut out after X-minutes of idling**

➤ TERBERG OFFERS OPTIMUM SUPPORT THROUGH:

- Worldwide network of dealers and distributors waiting to assist you.
- Large ware house holding all required parts in stock, also for the older Terberg vehicle



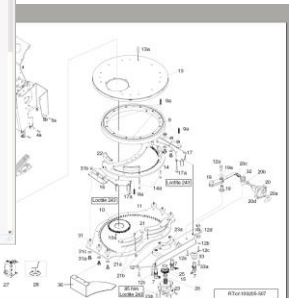
- Fast parts shipment all over the world
- Internet support for parts and warranty

More info ➤

Recommendation Index for SP1202

Search by component

Component	Part Number	Part Name	Part Description	Part Quantity	Part Unit	Part Price	Part Status
Engine	1000000000	Engine	Engine	1	Unit	1000000000	Active
Transmission	1000000000	Transmission	Transmission	1	Unit	1000000000	Active
Chassis	1000000000	Chassis	Chassis	1	Unit	1000000000	Active
Wheels	1000000000	Wheels	Wheels	1	Unit	1000000000	Active
Brakes	1000000000	Brakes	Brakes	1	Unit	1000000000	Active
Electrical	1000000000	Electrical	Electrical	1	Unit	1000000000	Active
Body	1000000000	Body	Body	1	Unit	1000000000	Active
Paint	1000000000	Paint	Paint	1	Unit	1000000000	Active
Accessories	1000000000	Accessories	Accessories	1	Unit	1000000000	Active
Tools	1000000000	Tools	Tools	1	Unit	1000000000	Active
Spares	1000000000	Spares	Spares	1	Unit	1000000000	Active
Warranty	1000000000	Warranty	Warranty	1	Unit	1000000000	Active



ERGONOMY & SAFETY FEATURES

TERBERG YT - 182 / 222 / 282



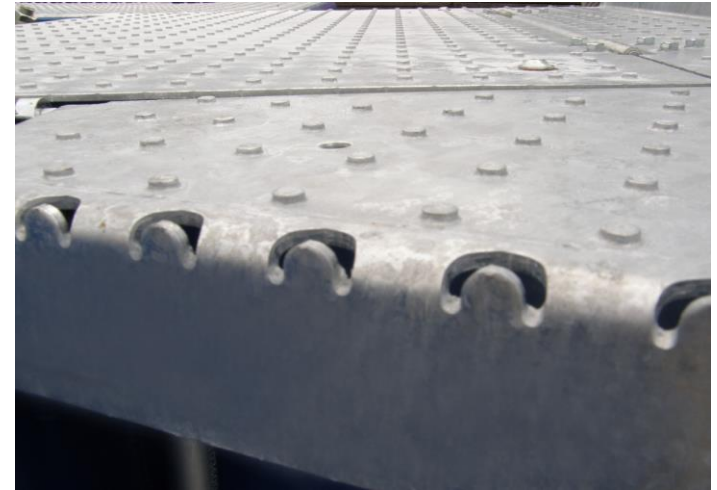
> FROM RIGHT..



> EXCELLENT ACCESS



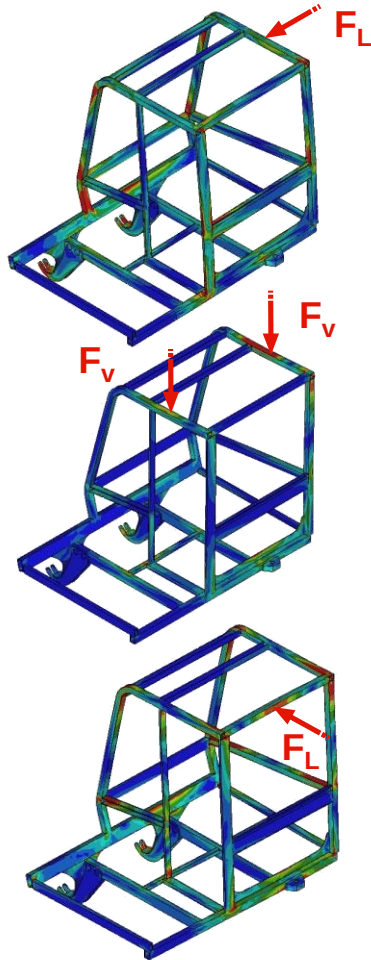
> FROM LEFT..



> **NEW** ANTISKID PLATEWORK



> ROPS & FOPS



LATERAL IMPACT

VERTICAL IMPACT

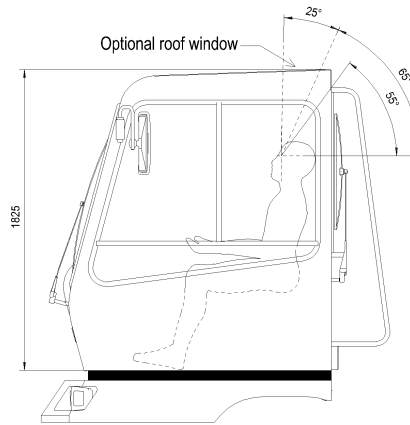
LONGITUDINAL IMPACT



VIEW RIGHT REAR



**> OPTIMUM
VIEW FROM
DRIVERS
POSITION:**



VIEW LEFT REAR



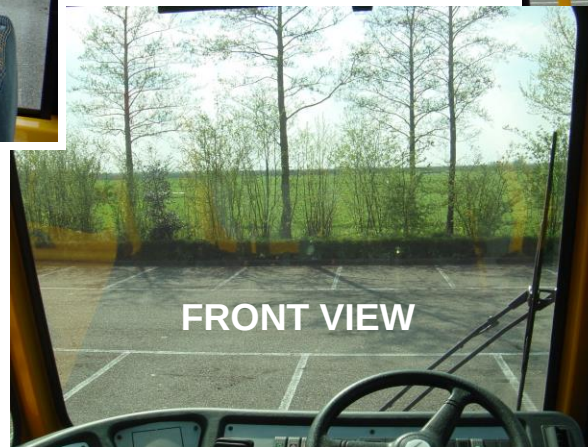
VIEW RIGHT



VIEW LEFT



FRONT VIEW



(For right hand drive)

➤ **DOUBLE SLIDING WINDOW**



> AIRSUSPENDED ISRI 6860 / 880 DRIVER SEAT

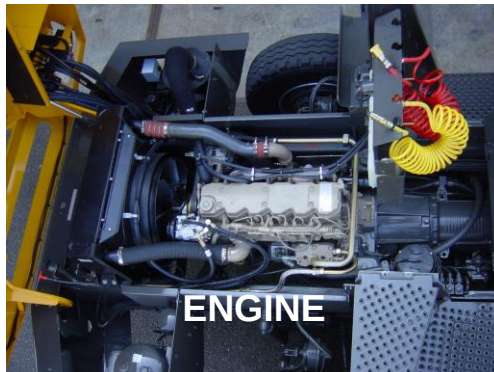
- > Automatic weight adjustment
- > Pneumatic height adjustment with memory function
- > Backrest adjustment
- > Horizontal adjustment (230mm)
- > Tilt adjustment
- > Adjustable shock absorber (100mm)
- > Seat cushion adjustment
- > Pneumatic lumbar support
- > Quick release (air dump)
- > 2P seat belt

> Optional

- > Arm rests
- > Head rest (adjustable / removable)

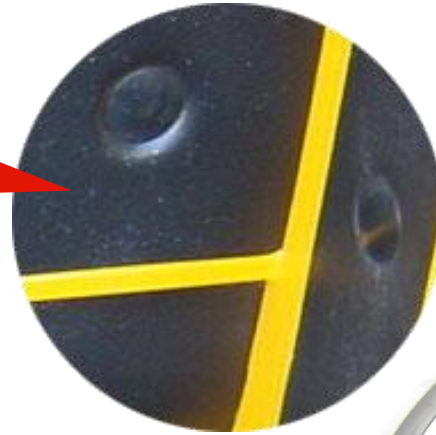


➤ **EASY MAINTENANCE**



> LOW INSIDE /OUTSIDE NOISE LEVELS

> Noise insulation standard integrated



> Engine with visco fan standard

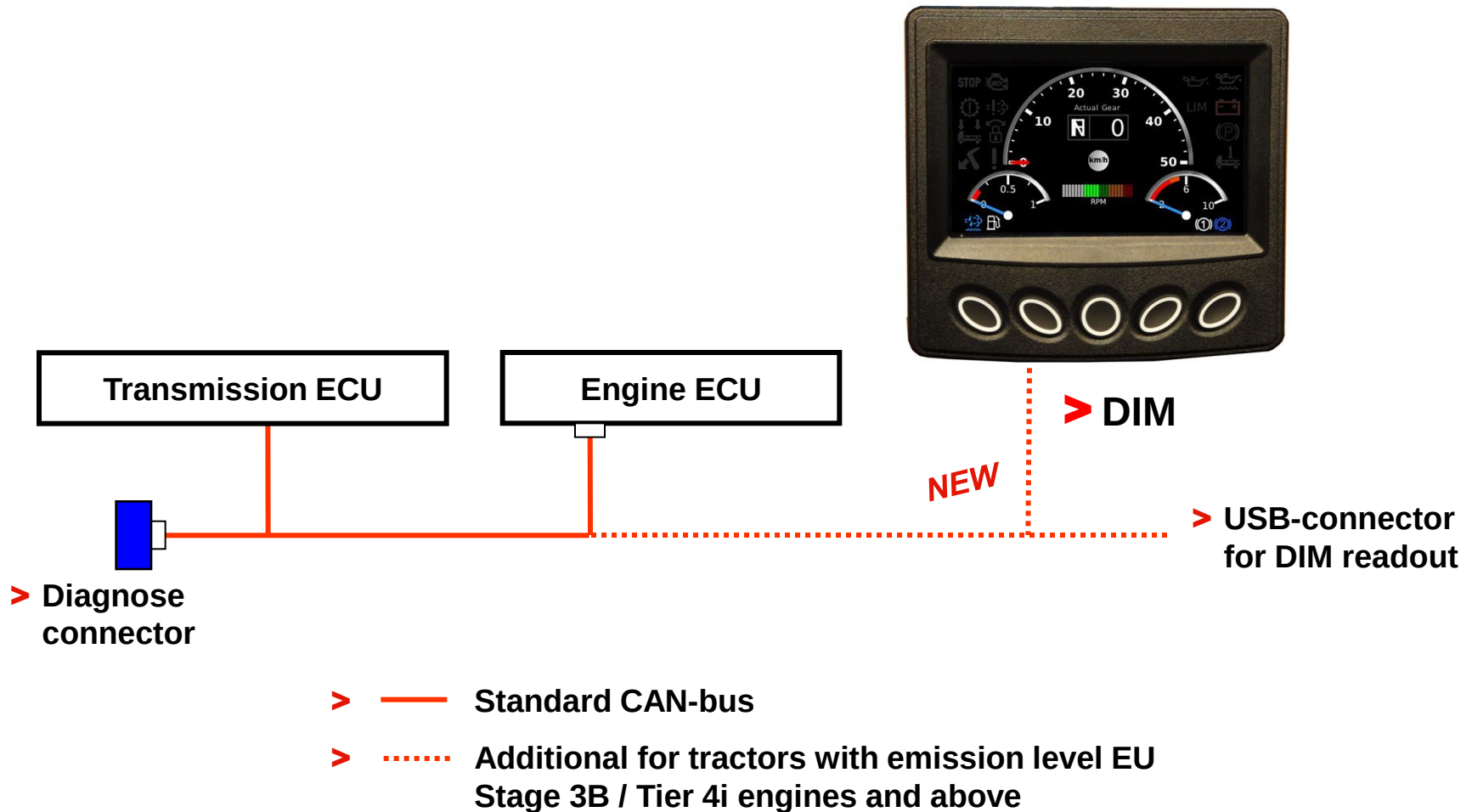


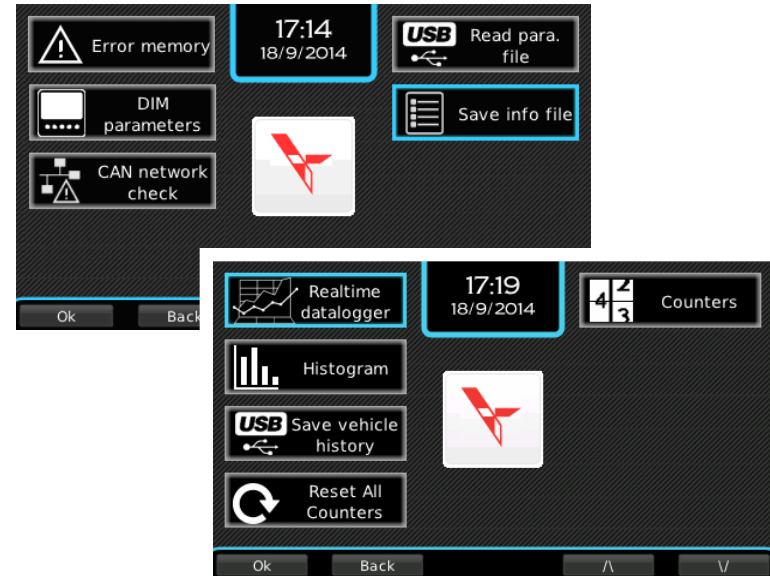
- > Newest driveline components are designed to produce less noise**
- > Standard Allison fuel efficiency package with Low RPM shift programs**
- > Big volume silencer offering best possible silencing**

More info



> CAN CONTROLLED ELECTRICAL SYSTEM





➤ **MULTIFUNCTIONAL** NEW Driver Information Module

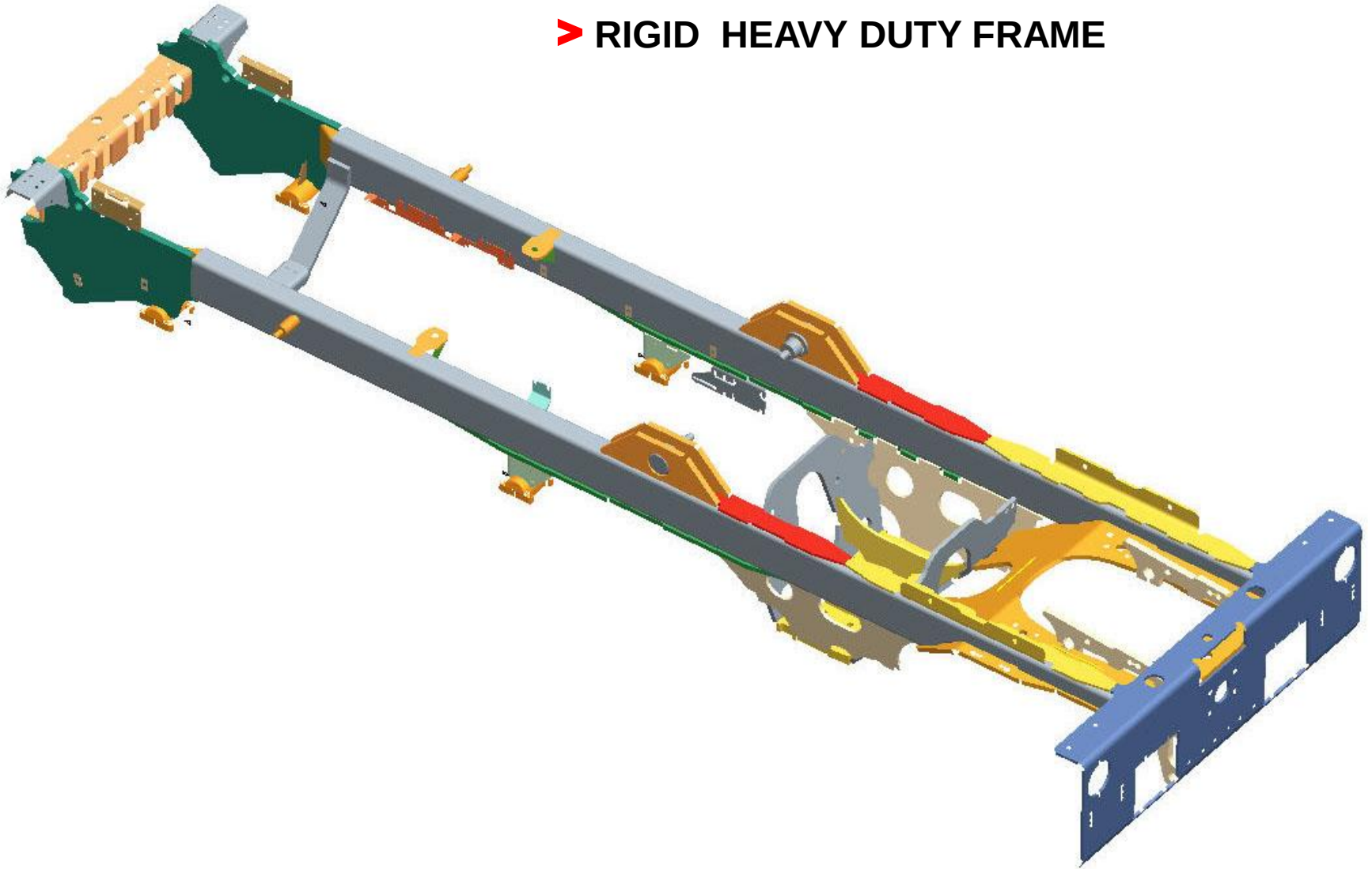
- DIM becomes standard with EU Stage 3B / Tier 4i engines and above
- For tractors with lower emission level engines the original dashboard instrument stays in use



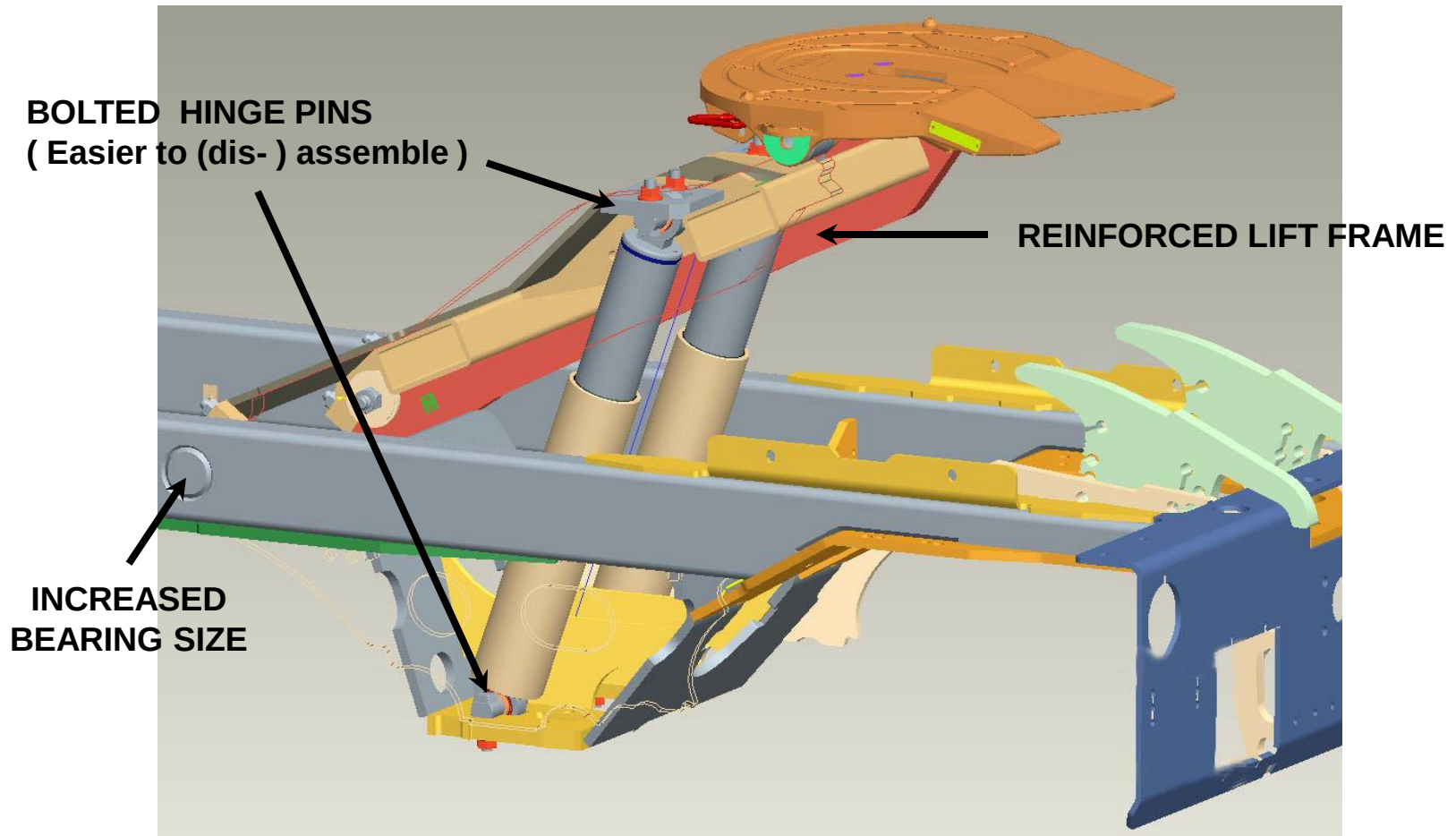
MAIN COMPONENTS

TERBERG YT - 182 / 222

➤ RIGID HEAVY DUTY FRAME



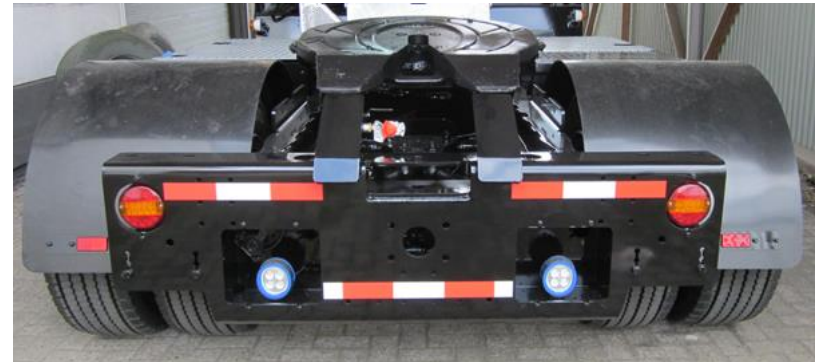
➤ IMPROVED LIFT FRAME MOUNTING



> STANDARD REAR BUMPER



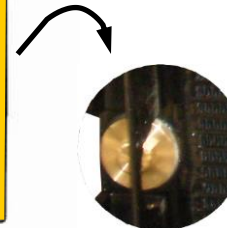
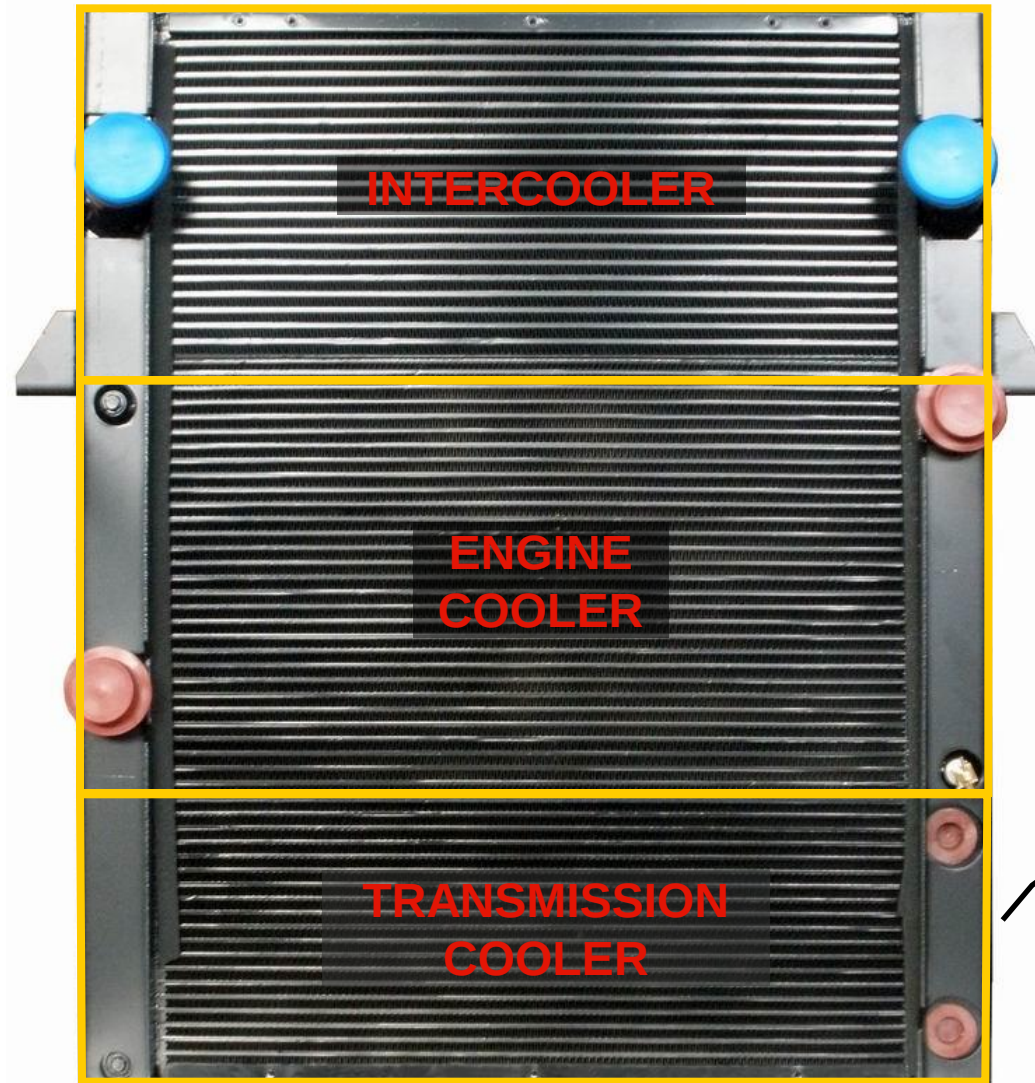
Prepared for installation of
all kind of rear / working
lights / connectors etc.



> RADIATOR

- > Enlarged frontal surface
- > 3 independent coolers on top of each other

- > Independent cooler processes
- > More open structure
- > Easier to clean



THERMOSTATIC VALVE

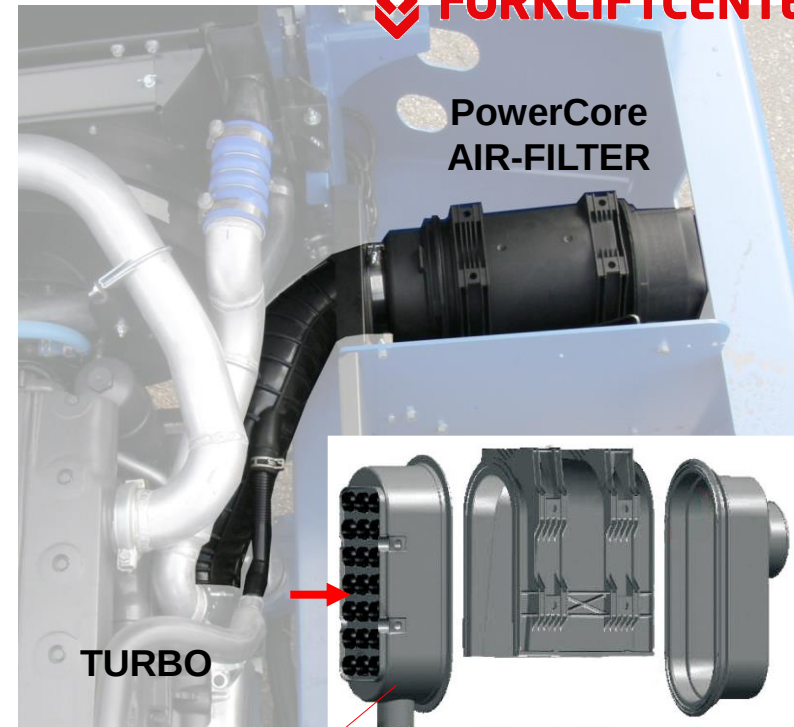
> ENGINE AIR INTAKE SYSTEM (Air filter always located on turbo side)



AIR-FILTER



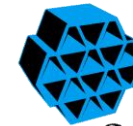
TURBO



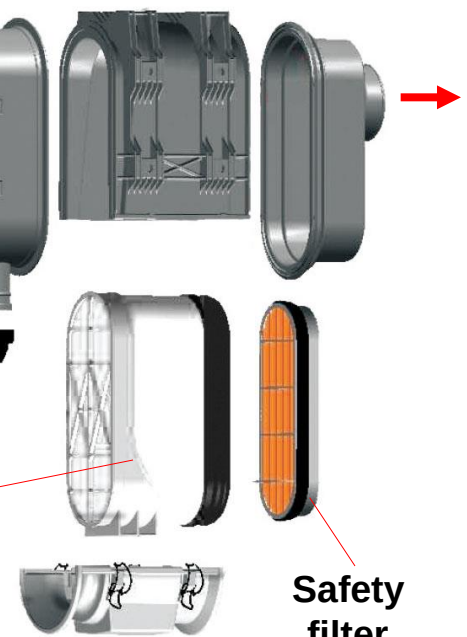
PowerCore
AIR-FILTER

TURBO

HD -Cycloon
Pre-Cleaner



PowerCore™
Filter
element



Safety
filter
standard

> Standard for EU-Stage 2 - 3A / Tier 2 - 3

> Standard for EU-Stage 3B - 4 /
Tier 4i - 4f & Euro 5

> ENGINES

EU Stage 4 / Tier 4f

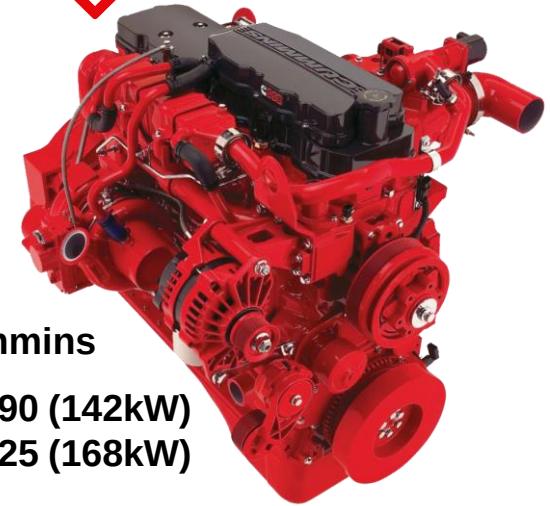
NEW

VOLVO PENTA

**TAD870VE
(160kW)**

SCR Aftertreatment

More info 



Cummins

**QSB6.7-190 (142kW)
QSB6.7-225 (168kW)**

SCR Aftertreatment

More info 

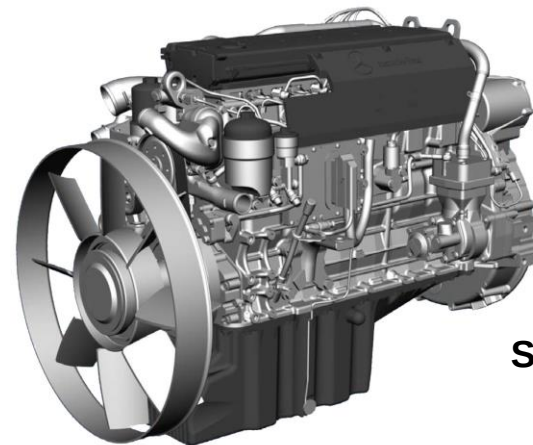
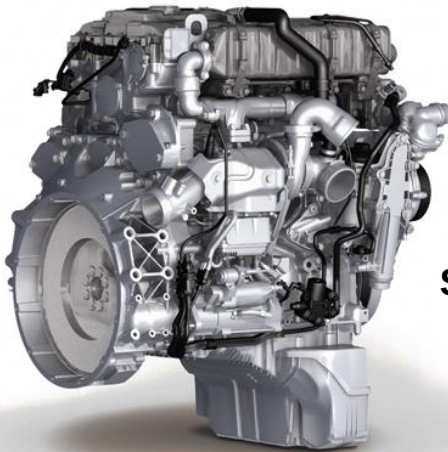
EU Stage 3B / Tier 4i

MERCEDES

**OM 934 LA
(129 / 170kW)**

SCR Aftertreatment

More info 



MERCEDES

**OM 926 LA
(175kW)**

SCR Aftertreatment

More info 

MAIN COMPONENTS

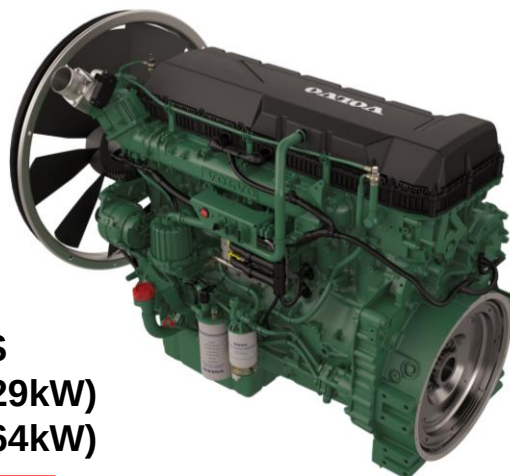
> ENGINES

EU Stage 3A / Tier 3
For outside EU / USA / CA only



CUMMINS
QSB6.7 173 (129kW)
QSB6.7 220 (164kW)

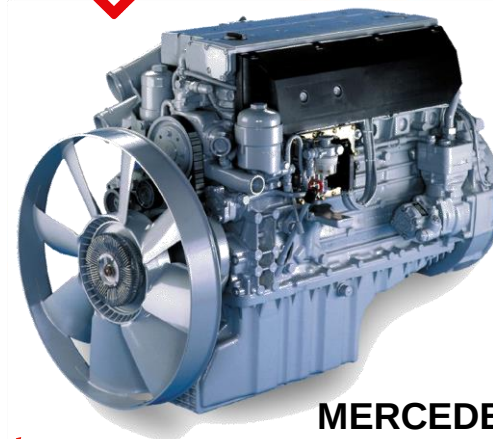
More info ▶



NEW

VOLVO PENTA
TAD850VE
(160kW)

More info ▶



MERCEDES
OM 906 LA
(130 / 170kW)

More info ▶

Euro5 On-road regulations



CUMMINS
ISB6.7E5 205 (146kW)
ISB6.7E5 225 (162kW)

SCR Aftertreatment

More info ▶

EU Stage 2 / Tier 2
For outside EU / USA / CA only

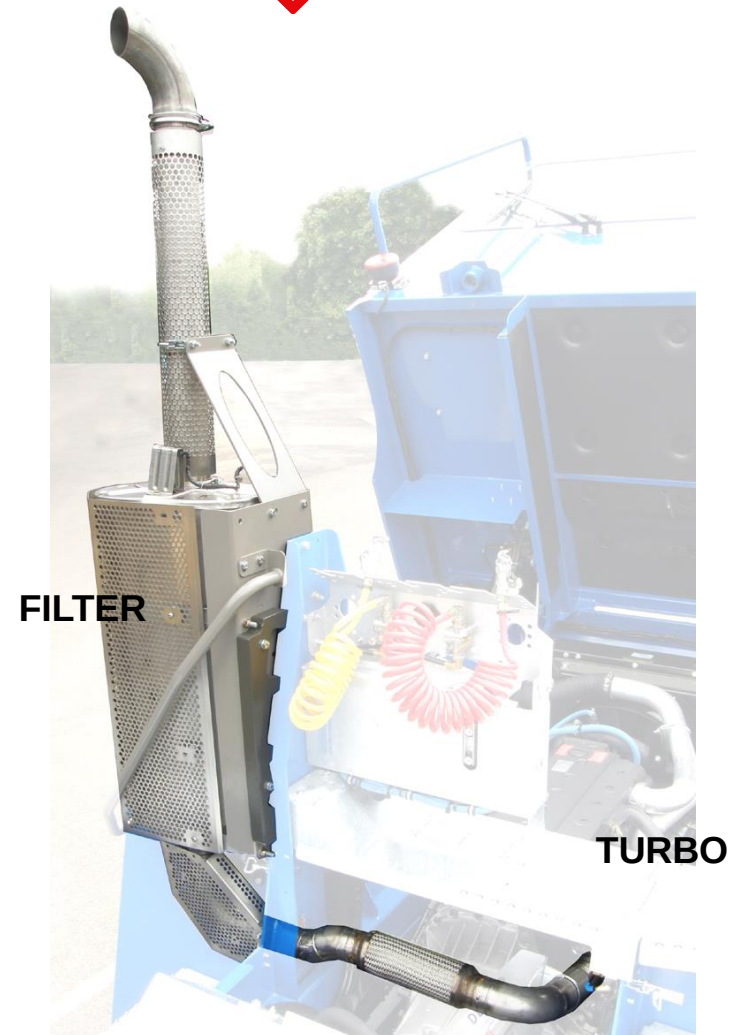
VOLVO PENTA
TAD720VE (170kW)

More info ▶



➤ ENGINE EXHAUST SYSTEM

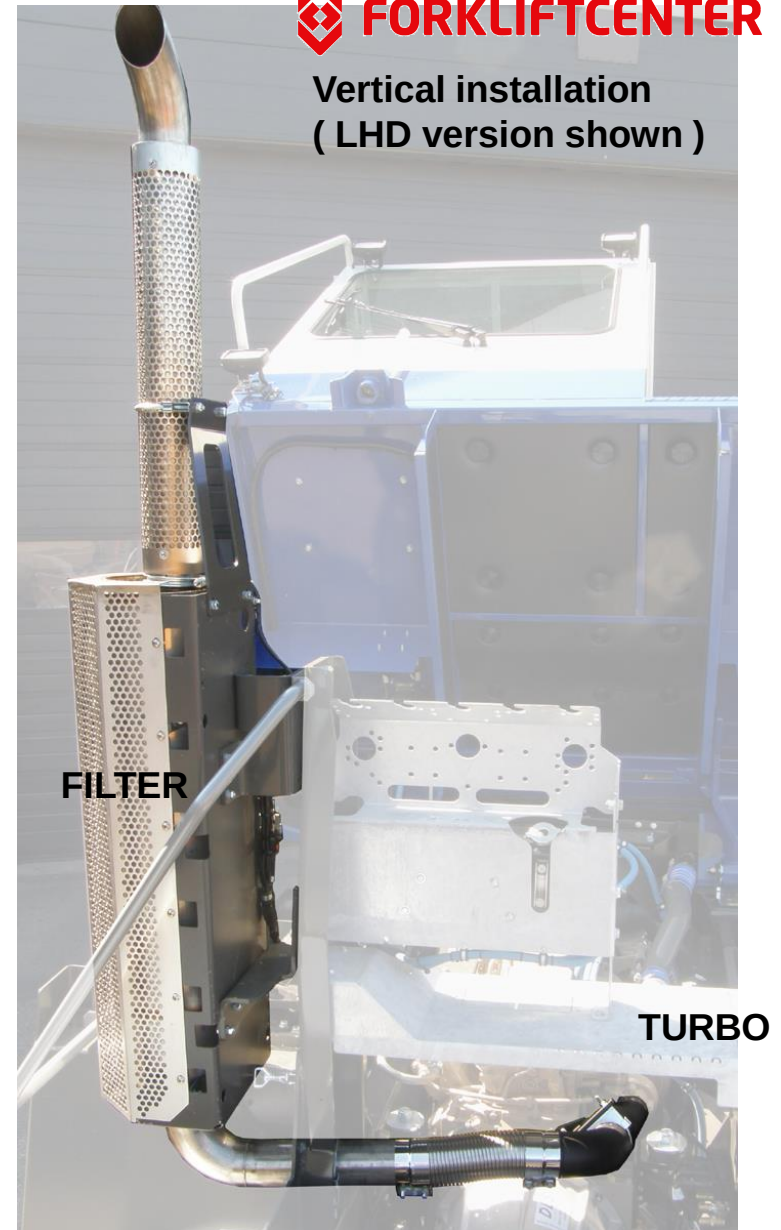
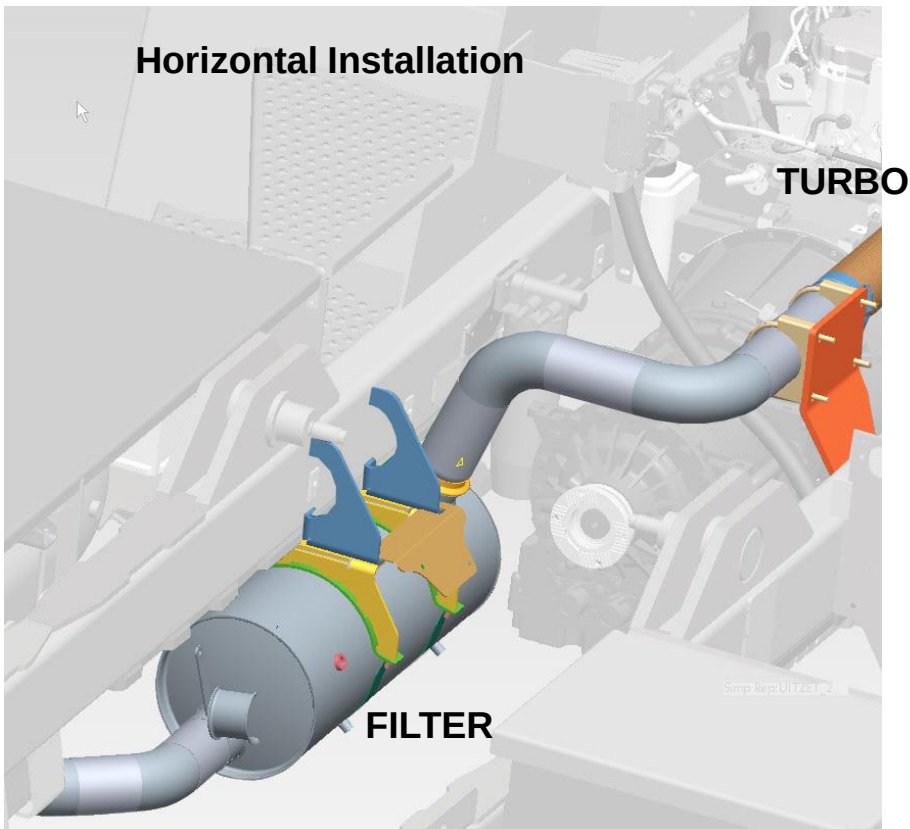
- Standard for
EU Stage 2 – 3A / Tier 2 – 3
(RHD version shown)



- For Mercedes
EU Stage 3B - 4 / Tier 4i - 4f with
SCR Aftertreatment
(LHD version shown)

> ENGINE EXHAUST SYSTEM

- > For Cummins
EU Stage 4 / Tier 4f & Euro 5 with
SCR Aftertreatment
(LHD version shown)

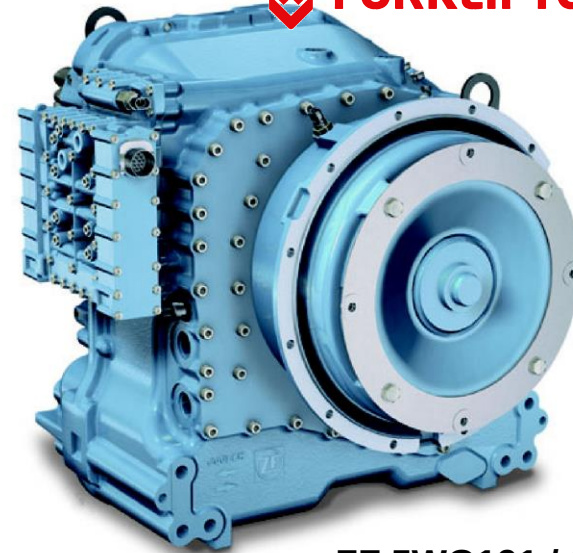


> TRANSMISSIONS



ALLISON 3000

More info 



ZF 5WG191 / 6WG211

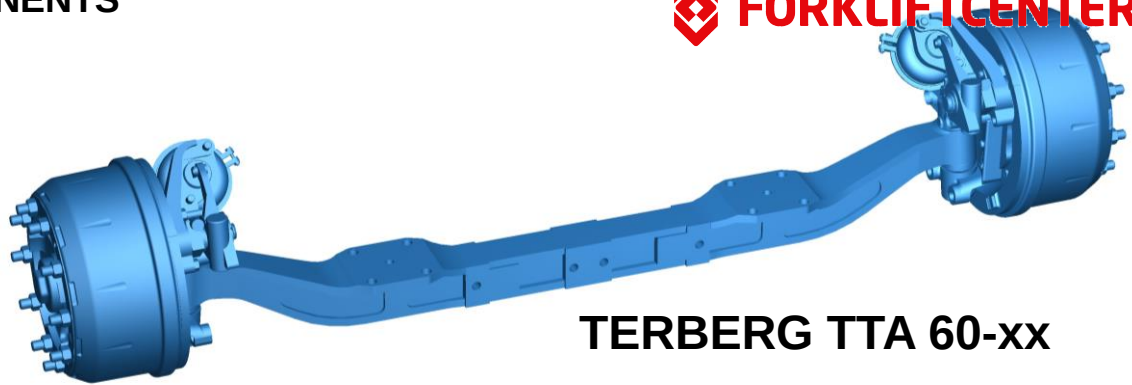
More info 

ZF 3WG161 / 3WG171



> FRONT AXLE

Non-Driven



TERBERG TTA 60-xx

- > Medium duty
(10Ton @ 20km/h)
- > Drum brake (S-cam)
- > Optional park brake available

VOLVO FA8.2-LOW

- > Heavy duty (11Ton @ 20km/h)
- > Drum brake (Z-cam)
- > Optional park brake available
- > Option for YT 182 / 222



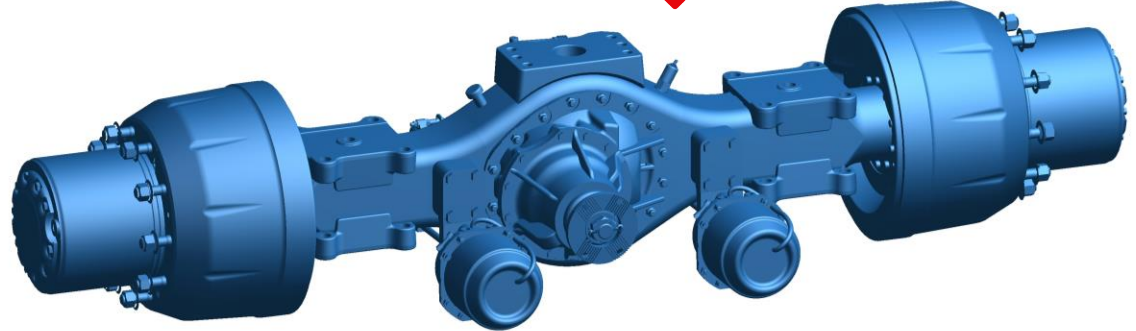
TERBERG TTA62-xx

- > Heavy duty
(11Ton @ 20km/h)
- > Drum brake (S-cam)
- > No park brake option available

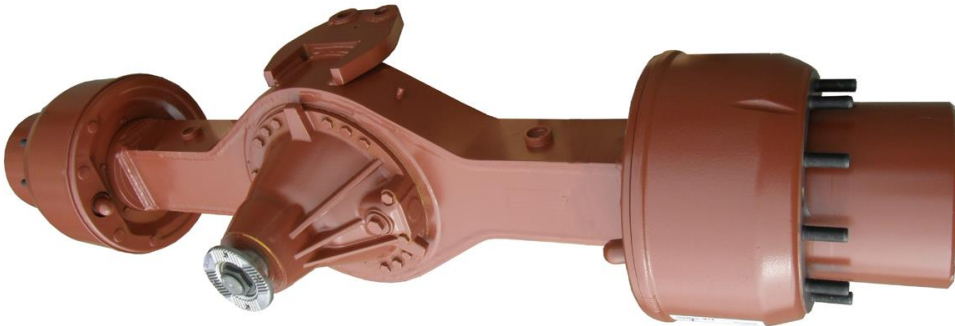
> REAR AXLE

TERBERG TTA 70-xx

- > Drum brake (S-cam)**
- > Ratio's 9.49:1 / 11.98:1**



OPTION YT 182 / 222:



KESSLER D81PL478

- > Drum brake (simplex wedge)**
- > Ratio's 9.76:1 / 12.73:1 / 16.13:1**

KESSLER D81PL477

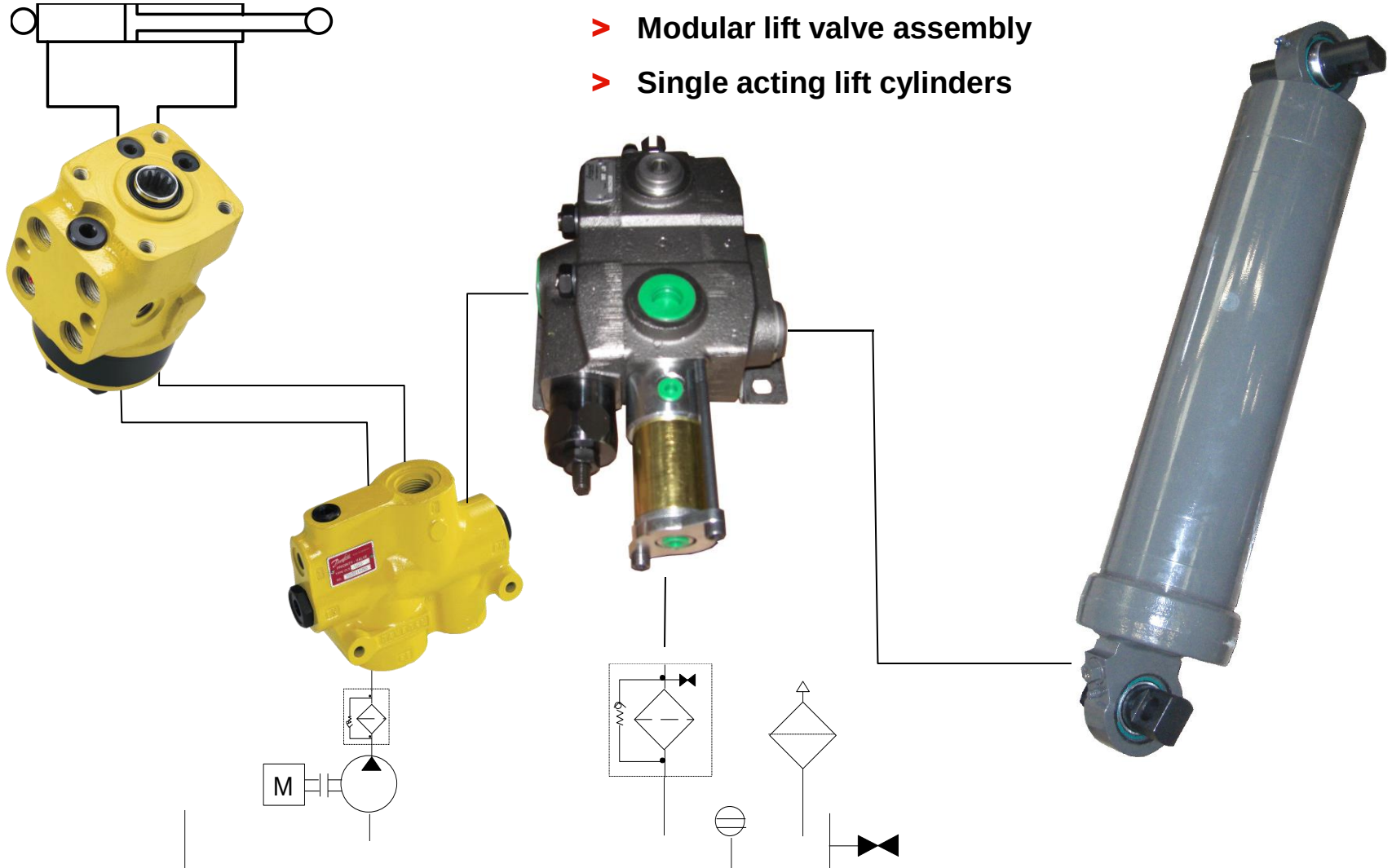
- > Disk brake**
- > Ratio's 13.2:1 / 16.36:1**



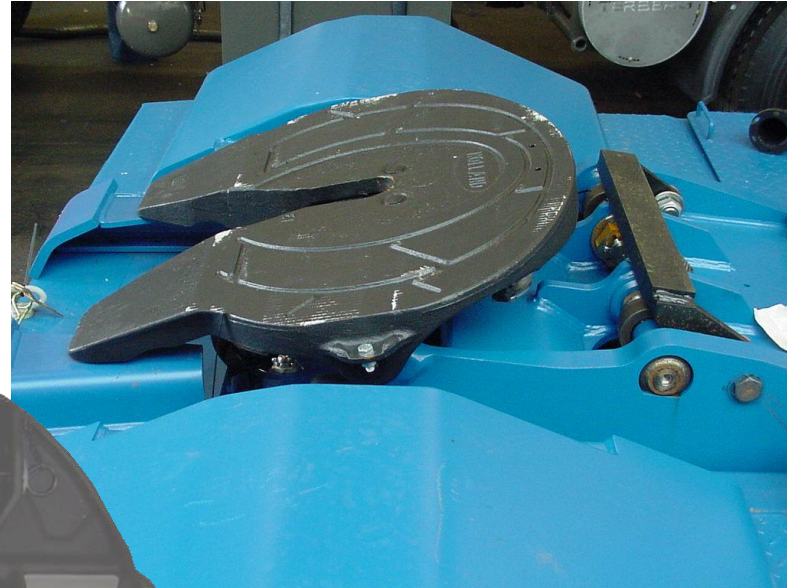
**All Axles fully bolted,
no weld on parts**

> HYDRAULIC SYSTEM

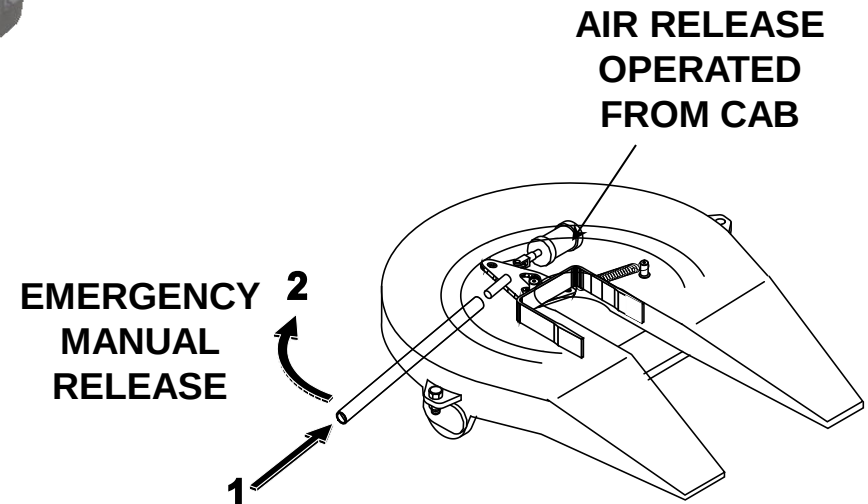
- > Priority valve, low noise
- > Steering orbitrol: Dynamic load sensing, low noise,
- > Modular lift valve assembly
- > Single acting lift cylinders



➤ **HEAVY DUTY
2" & 3.5"
FIFTHWHEEL**



- Lock sensor better positioned
- King pin sensor not sensitive for metal debris



Options shown is a selection
of most common used.
More options are available,
ask your Terberg representative for
more details.

OPTIONS

TERBERG YT - 182 / 222 / 282



➤ LEFT AND RIGHTHAND DRIVE

> FULL WIDTH CABIN

For use as trainings vehicle or as crewcab



➤ **CABIN SIDE DOOR**



➤ CABIN REAR SLIDING DOOR



➤ AIRSUSPENDED ISRI DRIVER SEAT

➤ Optional seat: 6500 / 517

➤ Optional seat: 6500 / 517 Pro

Equipped as 6500/517 but with extra:

- Lower seat cushion adjustment
- Horizontal suspension
- Lumbar adjustment
- Heating



> AIRSUSPENDED ISRI DRIVER SEAT

> Optional seat: 6860 / 880 Lux

Equipped as 6860 / 880, with extra:

- > Horizontal suspension**
- > Seat heating**

> Optional seat: 6860 / 870 Lux

Equipped as 6860 / 880 Lux, with extra:

- > Integrated 3P seat belt**
- > Adjustable / removable head rest**

> Arm rests are optional

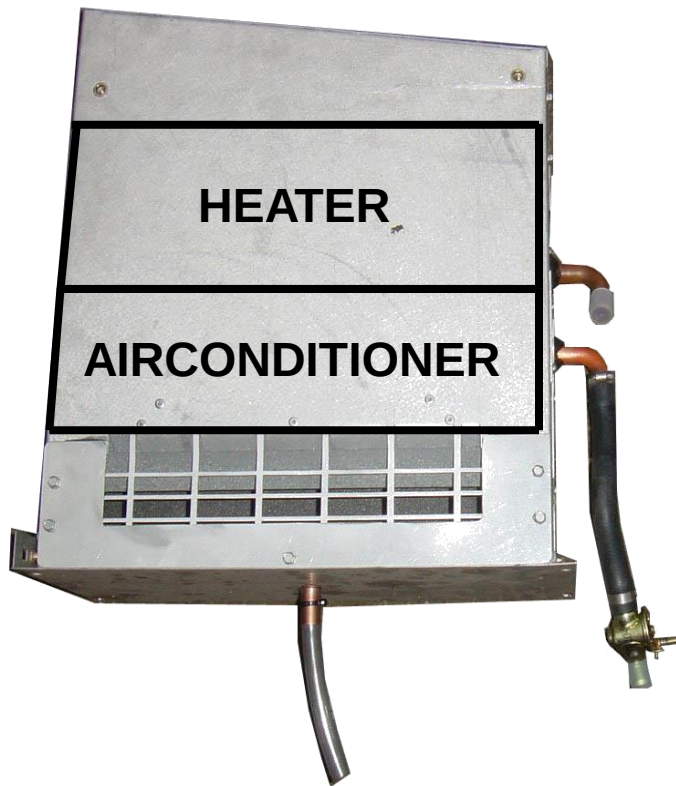


➤ **SECOND SEAT**
FOLD AWAY



➤ **AIRCONDITIONER**

- Integrated in heater
- Manual operated or with ECC

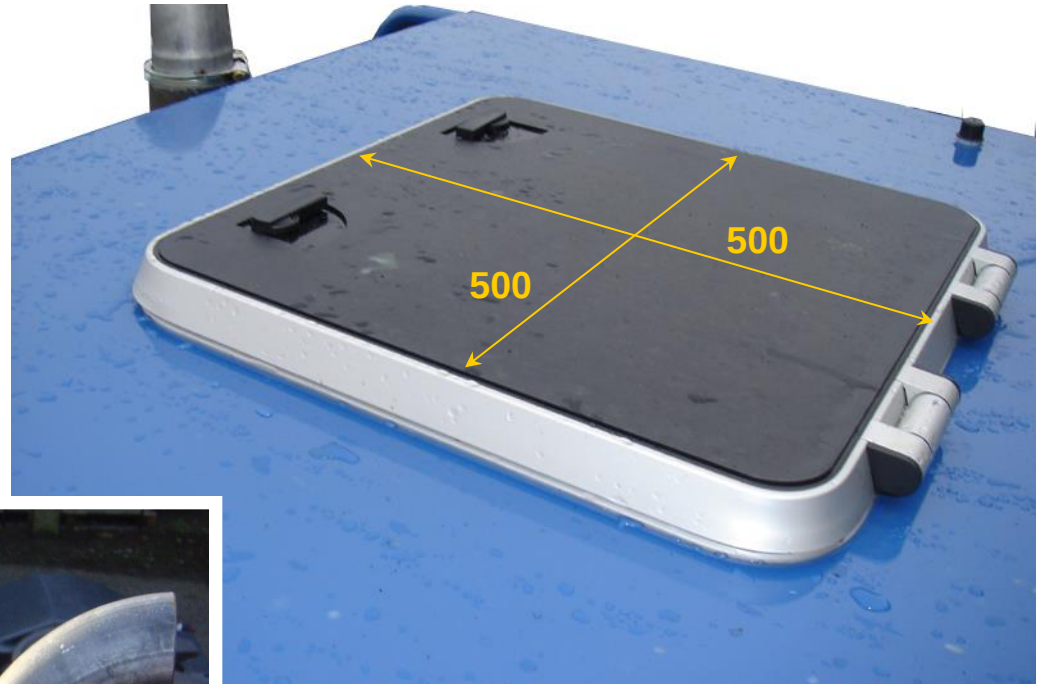


(With ECC no speedometer possible)

➤ RDT MOUNTING PROVISION



➤ **ROOF WINDOWS /
MANHOLES**



> MIRRORS



> Curb Mirror

> Wide angle Mirror

> Standard Mirror



Heated
versions

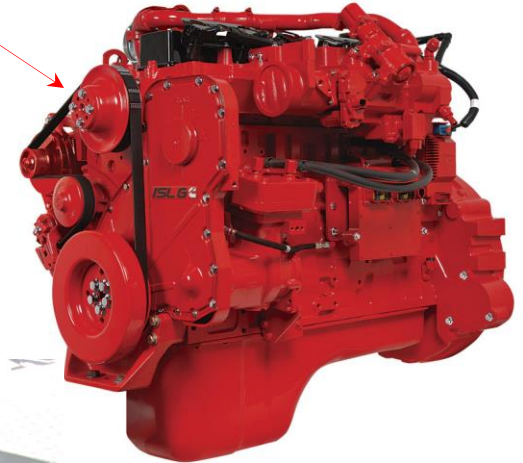
> **LNG POWER**
(**L**iquefied **N**atural **G**as)

- > Exhaust Catalyst
- > Vent stack



CUMMINS
ISL G 250 (186kW)

More info 



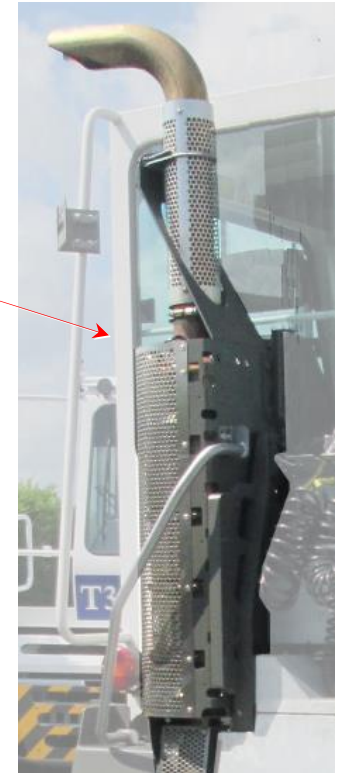
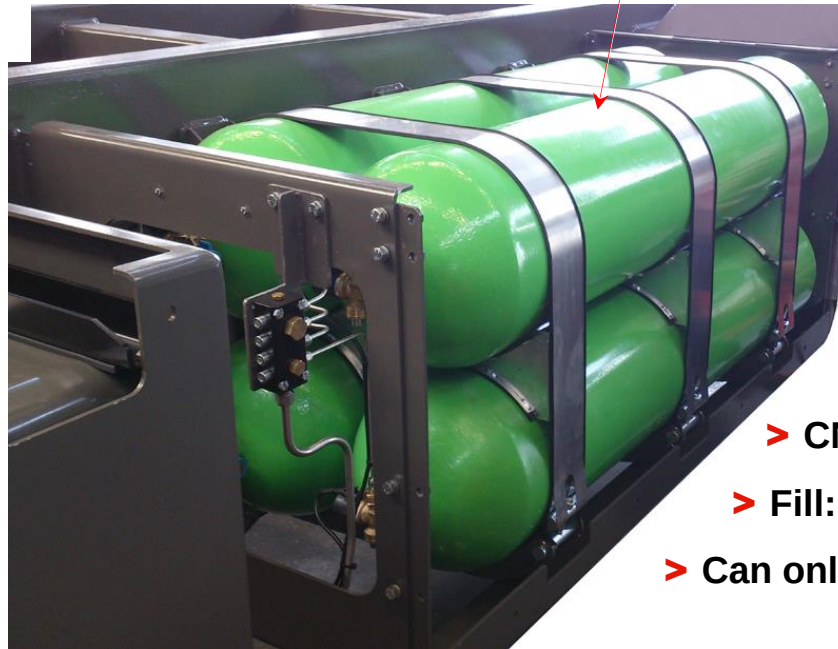
- > **LNG Gas tank**
(**I**solated)
- > **Fill:** Parker Kodiak
Vent: QDV connection
- > **Required Min.**
wheel base 3500mm

> CNG POWER
(**C**ompressed **N**atural **G**as)



CUMMINS
ISL G 250 (186kW)

More info 



> Exhaust Catalyst

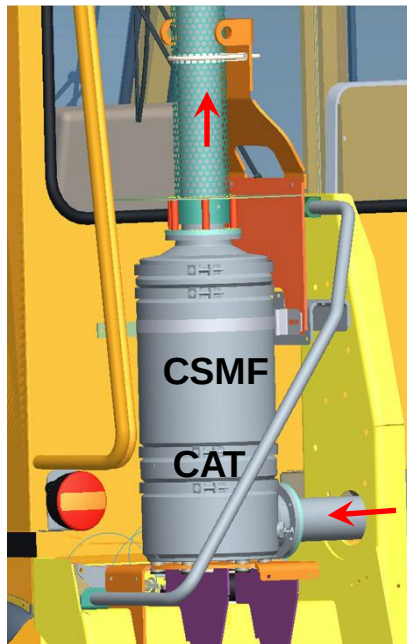
> CNG Gas tanks (L & R)

> Fill: NGV1 optional: NGV2

> Can only be used in extended wheel base vehicles

> EXHAUST GAS PURIFIER

- > Catalytic filter (CAT)
- > Sintered metal filter (CSMF)
- > No additional heater required
- > Pressure datalogger with warning for cleaning
- > Cleaning possible with high pressure water
- > Only available for Euromot 3A / Tier3 engines



> IMPACT PROTECTION SYSTEMS



> Front bumper reinforcement



> Bolt on front protections



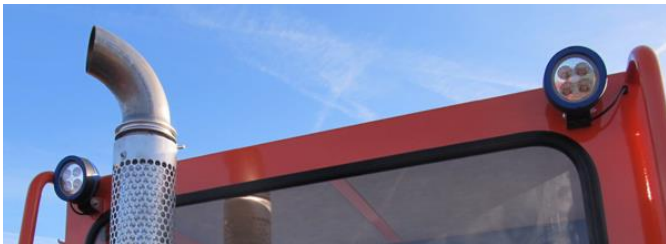
> Additional cab guard



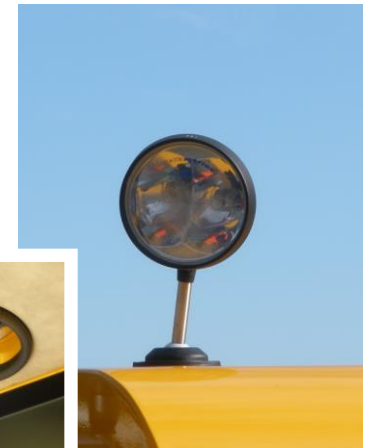
> LIGHTS



> Flashing Beacon



> Search light



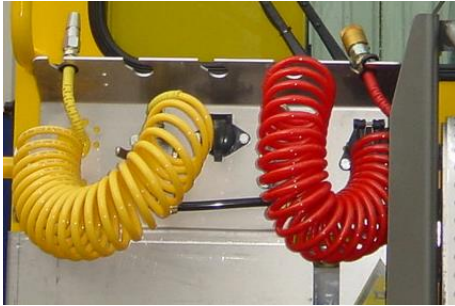
> Work lights



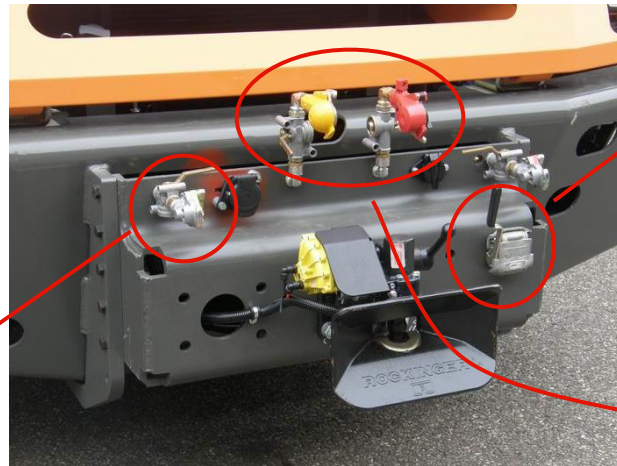
> LED FRONT LIGHTS



> TRAILER CONNECTIONS AIR BRAKE SYSTEM



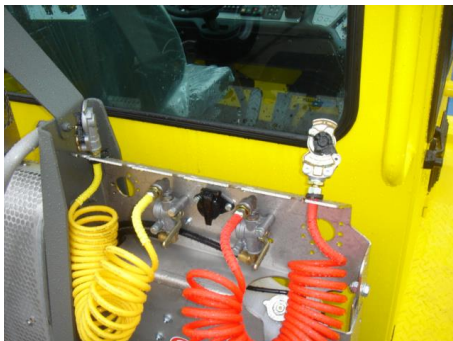
> C - coupling



> Duo-matic

> Palm coupling
(glad hands)

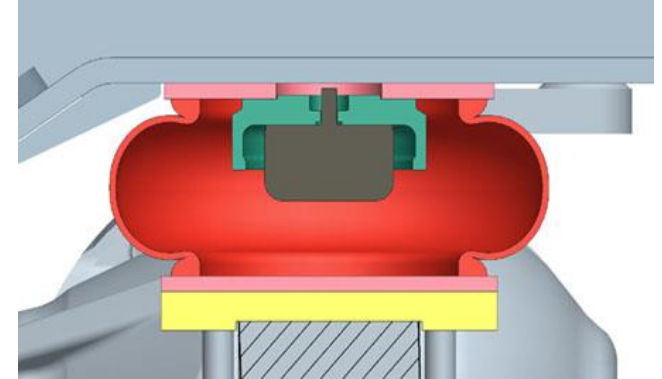
> Palm coupling
(glad hands)
automatic



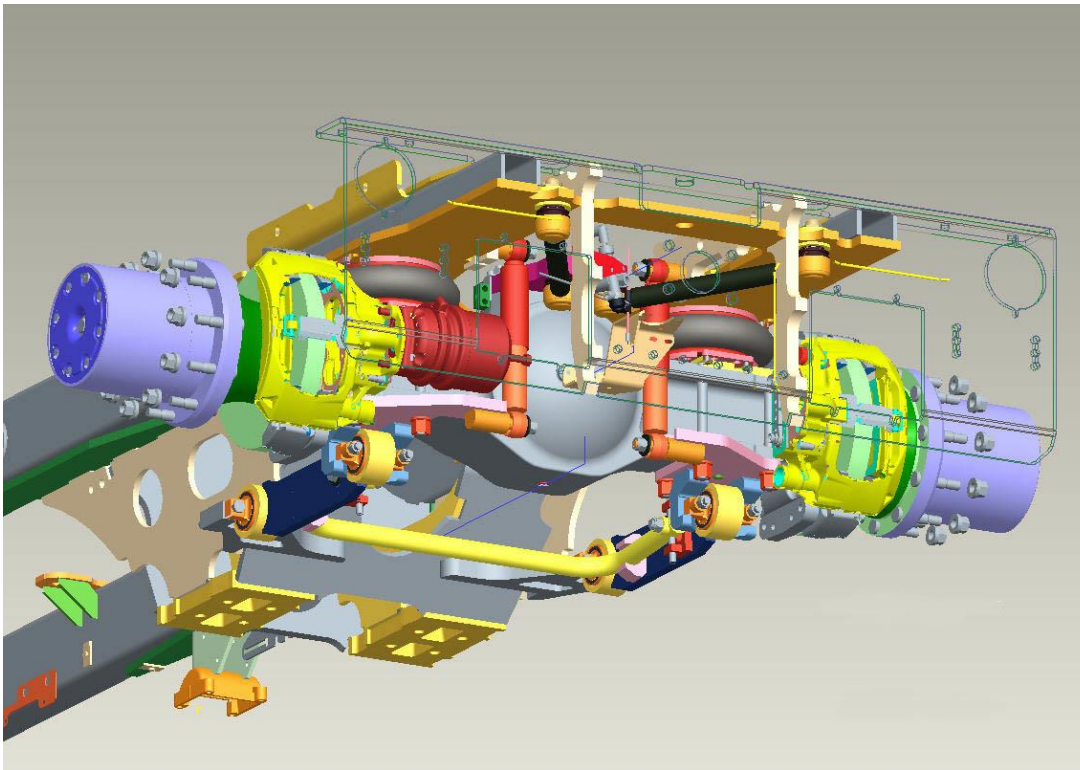
> AIR SUSPENSION

UP TO 10 TON ON AIR

OVER 10 TON ON RUBBER SUSPENSION



> Rubber
cushion
in air bellow



> **INDUSTRIAL TYRES**

- > High allowable wheel loads
- > Max. single tire load shown, Front axle x2, Rear axle x4
- > Longer lifetime

> **MICHELIN**> **XZM**> **9.00 R20**

4500kG @ 25km/h
5850kG @ 10km/h

> **10.00 R20**

5300kG @ 25km/h
6890kG @ 10km/h

> **11.00 R20**

5800kG @ 25km/h
7540kG @ 10km/h

> **12.00 R20**

7100kG @ 25km/h
9230kG @ 10km/h

> **XTT**> **280/75 R22,5**

6300kG @ 25km/h
7280kG @ 10km/h

> **310/80 R22,5**

7762kG @ 25km/h
8970kG @ 10km/h



- > Tubeless Bead Seal mounting

> **CONTINENTAL**> **Terminal transport**> **300/80 R22,5**

7100kG @ 25km/h
8100kG @ 10km/h

> **Tractor master**> **310/80 R22,5**

7760kG @ 25km/h
8970kG @ 10km/h



➤ MUDGUARDS

- Bolted construction
- Afterwards adjustable over 3 positions for changed tyre sizes
- Easy replaceable



Plastic part
moves with
axle body

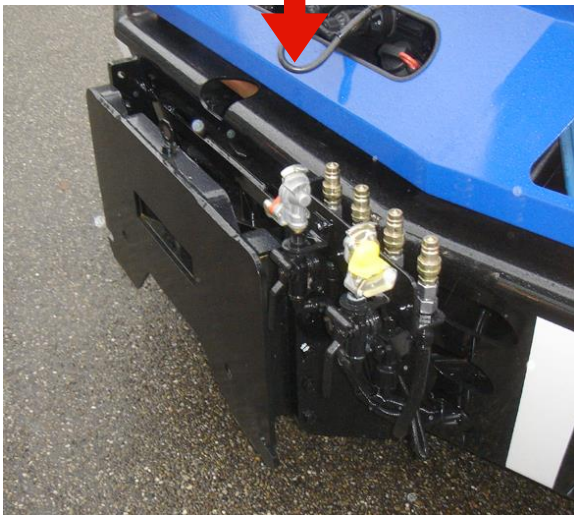


> FRONT



> Drawbar coupling

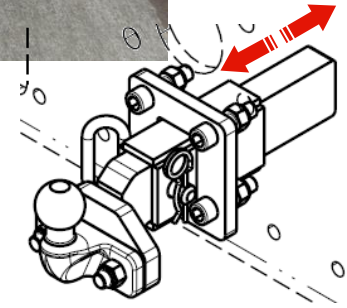
> Register coupling



> Mounting plate



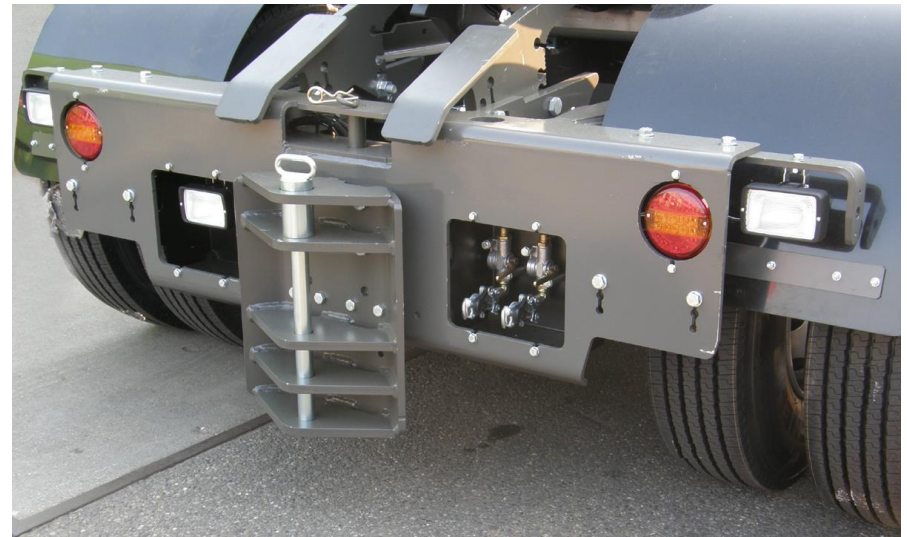
➤ REAR



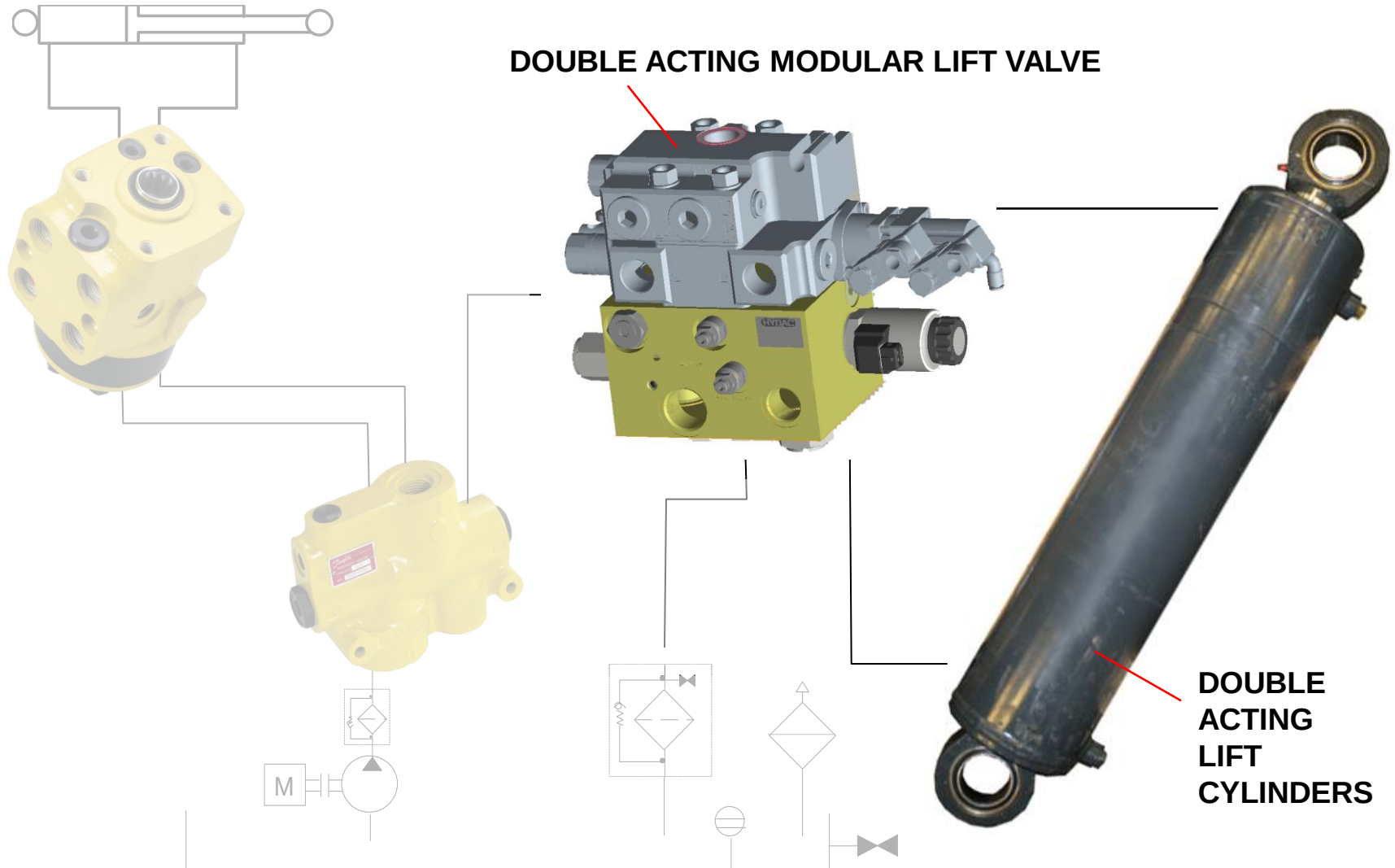
➤ Caravan coupling

➤ Drawbar coupling

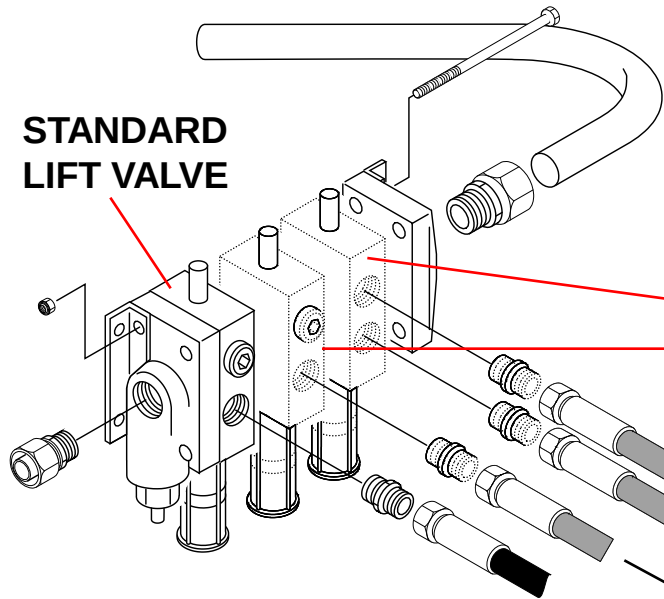
➤ Register coupling



> OPTIONAL DOUBLE ACTING LIFT CYLINDERS

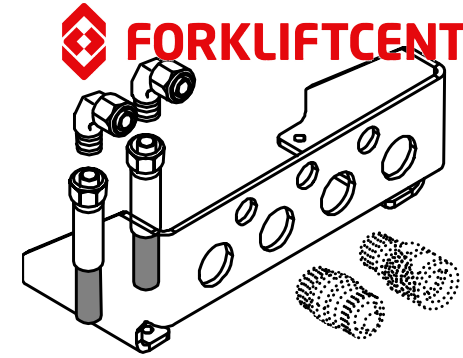


➤ MODULAR HYDRAULIC SYSTEM



**OPTIONAL EXTRA
HYDRAULIC SECTIONS**

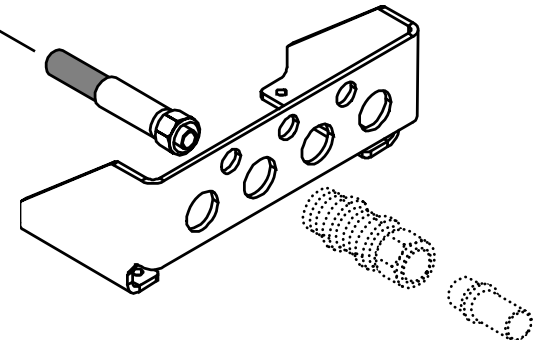
**Double acting
Single acting**



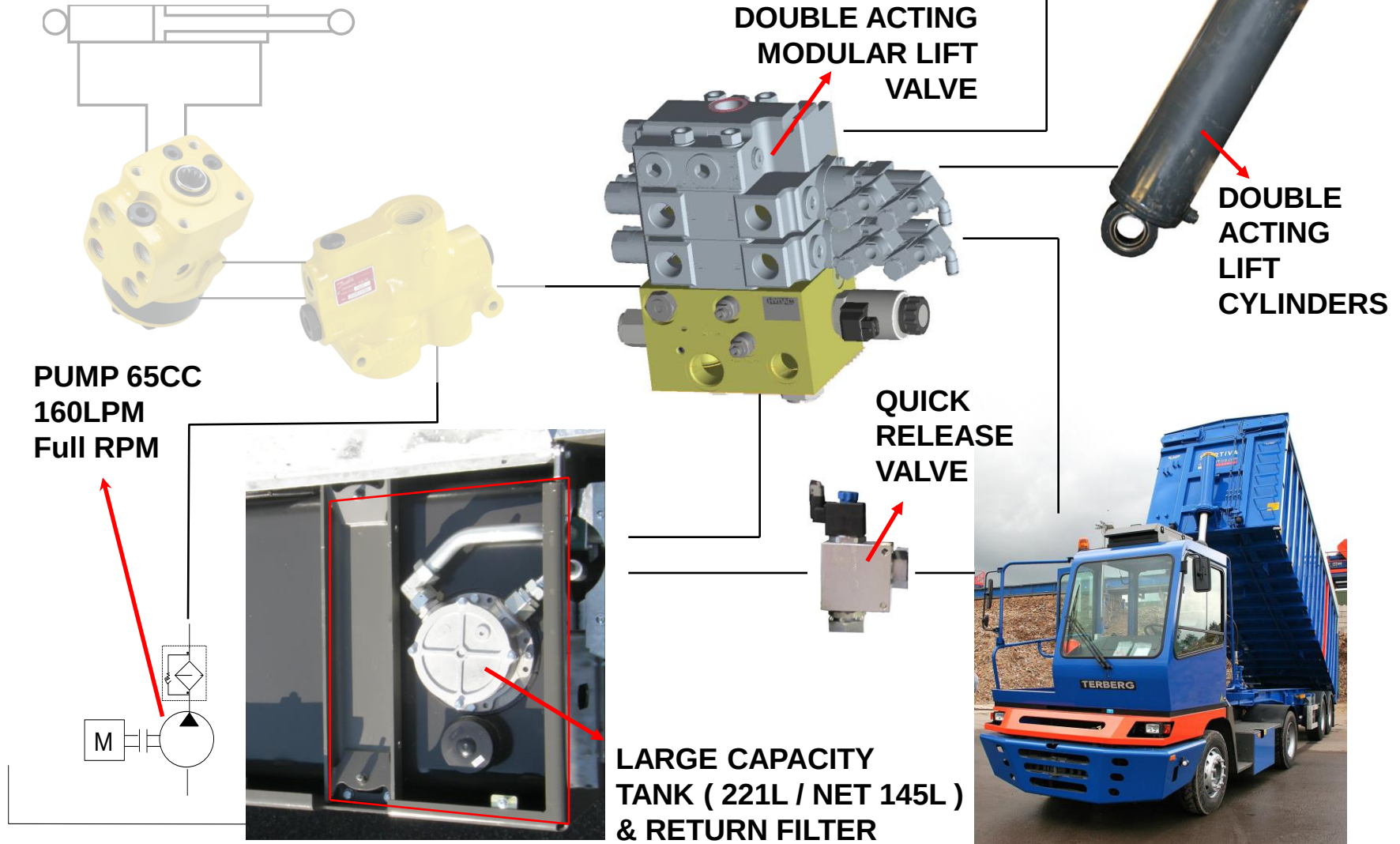
**Trailer connectors
on customer request**



**OPERATION OF
EXTRA HYDRAULICS**



> OPTIONAL TIPPER TRAILER HYDRAULICS

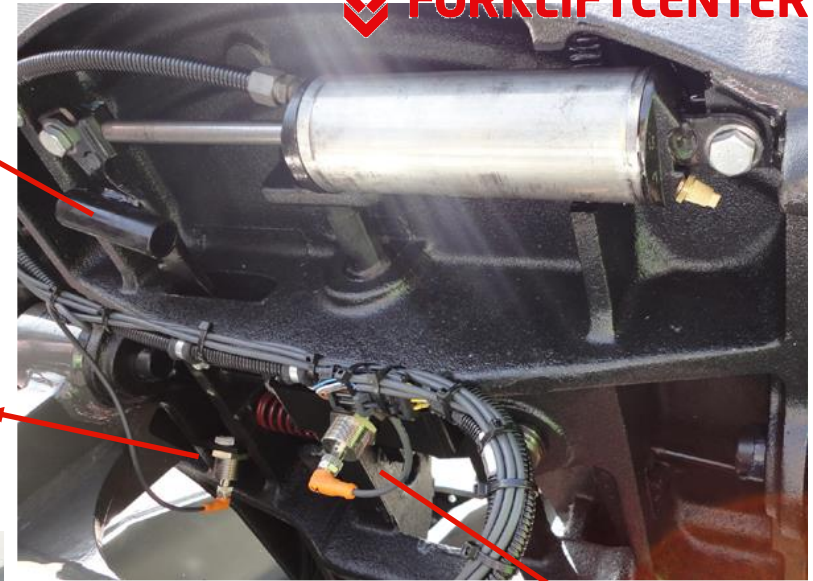


> **HEAVY DUTY 2" – 3.5"**
FIFTH WHEEL

> **Single jaw locking mechanism**

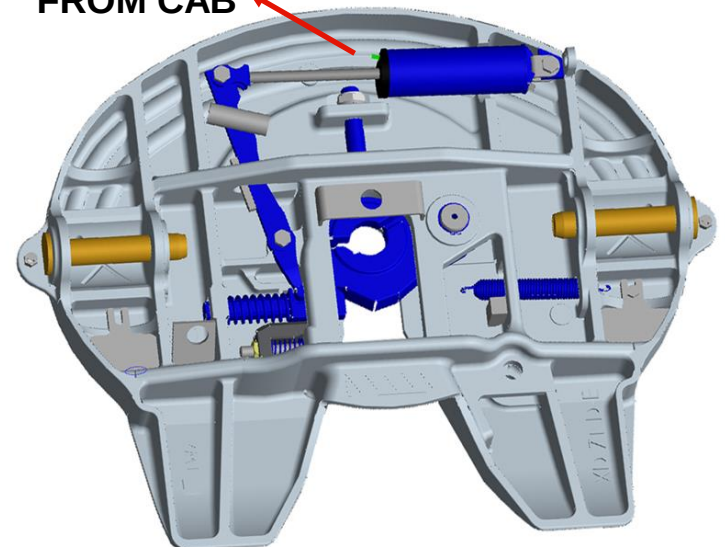
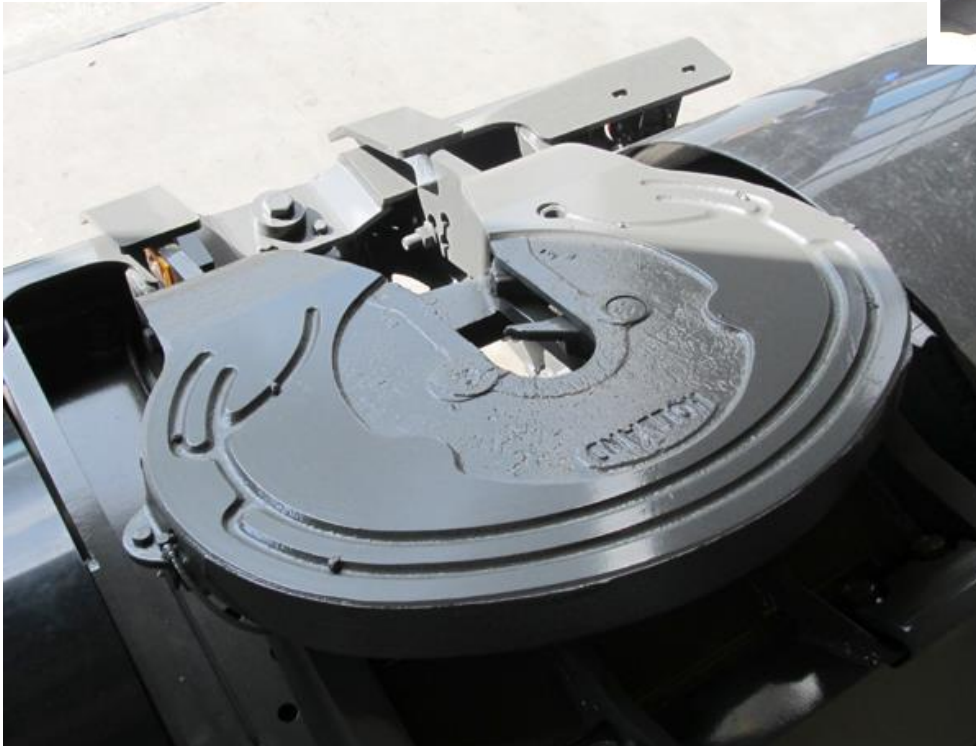
**EMERGENCY
MANUAL
RELEASE**

**LOCK
SENSOR**



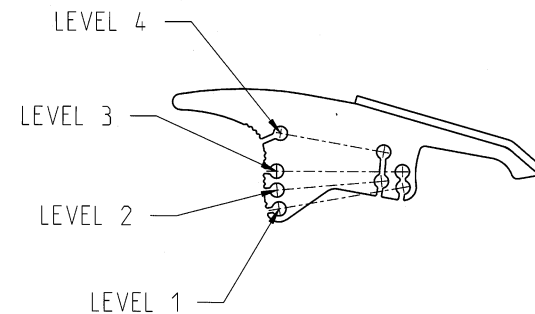
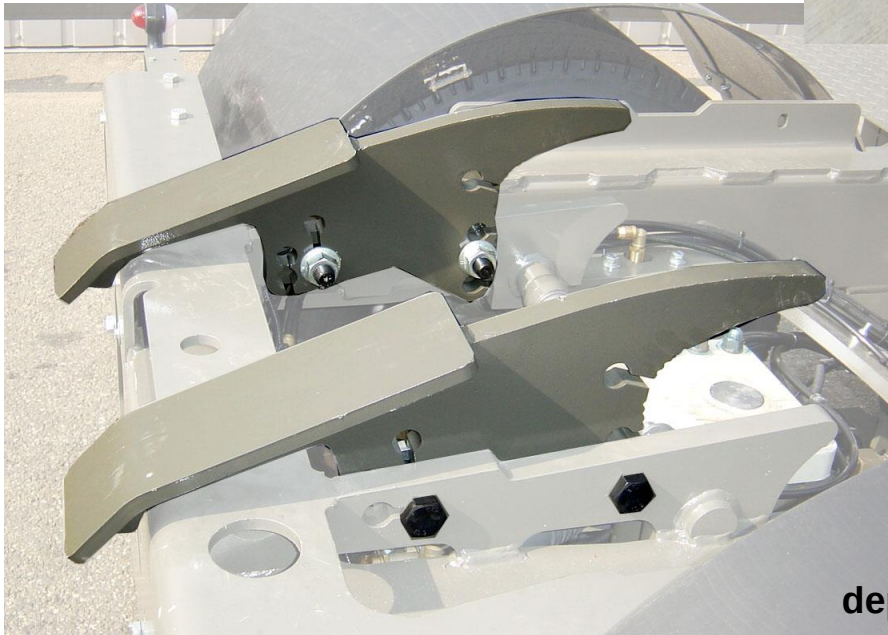
**AIR RELEASE
OPERATED
FROM CAB**

**KING PIN
SENSOR**



> GREASE COVER PLATE

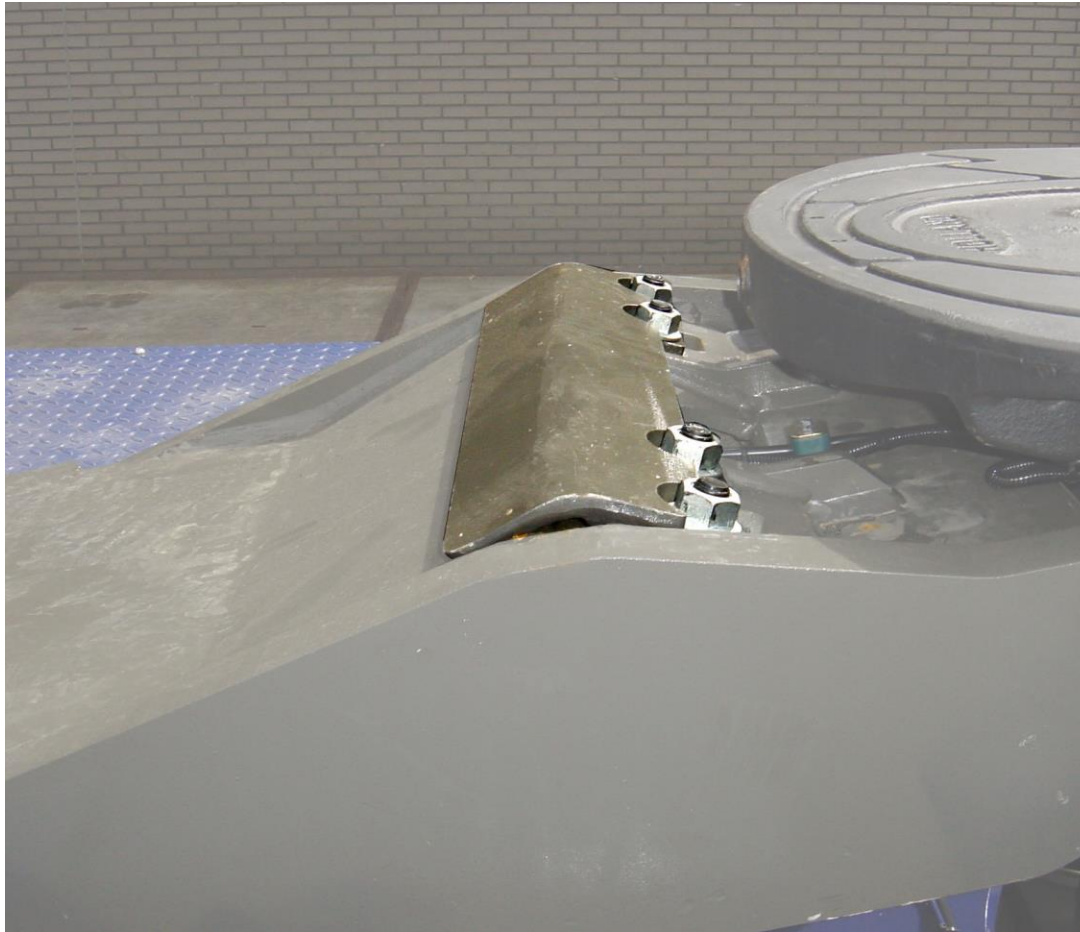
Protects Air valves and rear axle
from grease coming from the fifth wheel



> LEAD UP RAMPS

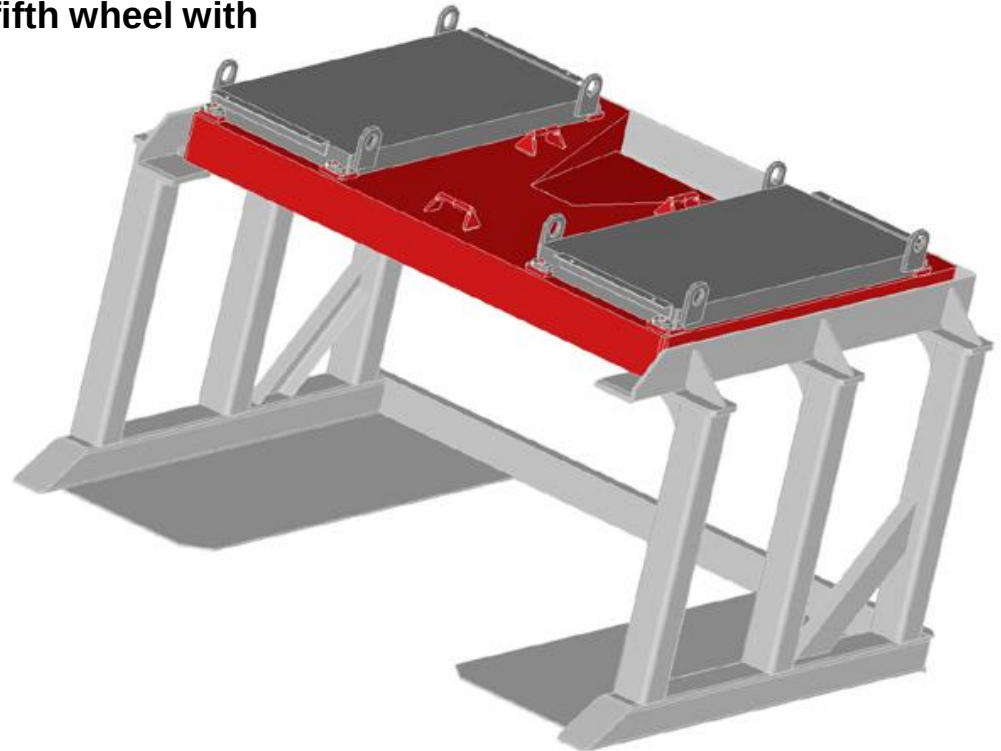
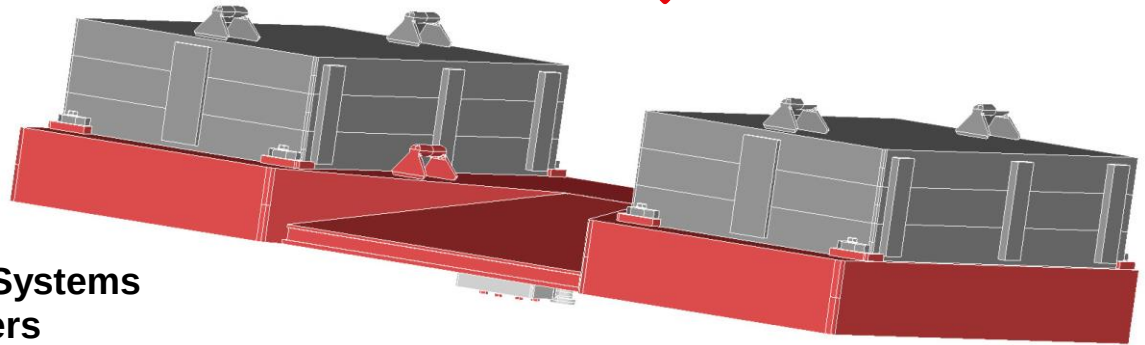
In 4 positions adjustable,
depending on tyre size and mudguard type

> GOOSE NECK SUPPORT (RIGID)



> BALLAST

- > For operating Multiple Trailer Systems or pulling heavy drawbar trailers
- > Modular: Base plate 6,6Ton
Can be increased with loose plates to 8,5 or 12,2 Ton
- > Ballast is connected to the tractor fifth wheel with a king pin (2" or 3,5") + wedge.
To mounting locations available
- > Parking stand available:
enables the tractor to (dis) attach the ballast without the help of crane / fork lift.





4 x 2



Airport Tow tractor



6 x 2 / 4

6 x 4



8 x 4

