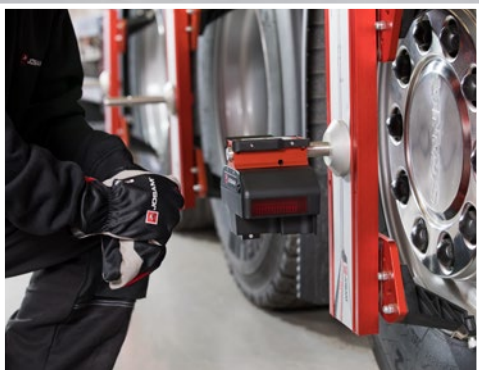


# SCANIA WHEEL ALIGNMENT



# Bad wheel alignment will ruin your customer's economy!

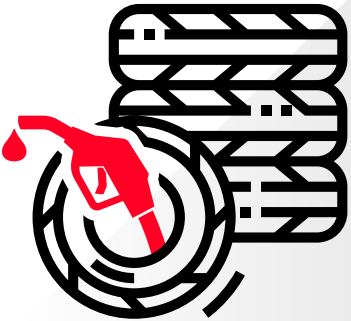
A properly aligned vehicle can reduce fuel consumption costs by up to 5%. Bad wheel alignment also increases tire wear. A wheel alignment diagnosis gives you the opportunity to plan ahead. With the help of the wheel angle measurements from a diagnosis, necessary adjustments can be made and you can avoid unnecessarily high fuel consumption and tire wear costs.

## CALCULATION EXAMPLE 1

Fuel cost reduction: 3%  
Mileage/year: 200 000 km  
Fuel price: 1.1 EUR/litre  
Fuel consumption: 4 litres/10 km  
Total cost reduction/year:  
 $0.03 \times 200\,000 \times 1.1 \times 0.4 = \mathbf{2\,640\,EUR}$

## CALCULATION EXAMPLE 2

Premature tire change, 2 tires/year  
Tire cost: 350 EUR/tire  
Cost reduction/year:  
 $350 \times 2 = \mathbf{700\,EUR}$



Estimated  
fuel/tire cost  
reduction per year:  
**3 340 EUR\***

\* Cost for wheel alignment not included in the calculation

Source, fuel cost reduction:

Survey performed during 2013 on 500 vehicles from 12 different companies by the research institute TNO, Holland



# What happens when the wheels are misaligned?



 **BAD STEERING CAPABILITY  
AND DRIVING DISCOMFORT**

 **MECHANICAL WEAR**

 **INCREASED AIR RESISTANCE**

 **INCREASED TRACKING  
SENSITIVITY**

 **INCREASED FUEL CONSUMPTION**

 **TRAFFIC HAZARDOUS VEHICLE**

 **INCREASED TIRE WEAR**



## JOSAM i-track

### **Measure a 6×2 vehicle in four minutes!**

With JOSAM i-track, checking wheel alignment on a vehicle is faster than ever before. Taking efficiency one step further, the target scales for the JOSAM i-track can be mounted on the walls or the floor of the workplace. Dedicate one or more spaces in the workshop to wheel alignment and perform measurement diagnoses on assembly line level.

The only devices left to be mounted on the vehicle are the wheel adapters and the corresponding measuring heads. Even vehicles with limited space to mount the measuring equipment, such as minibuses and light trucks, can be measured with precision and replicable reliability.



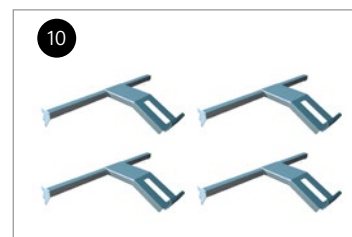
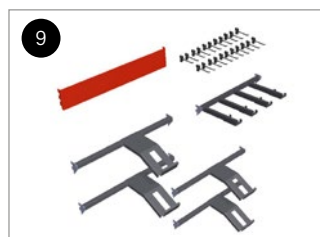
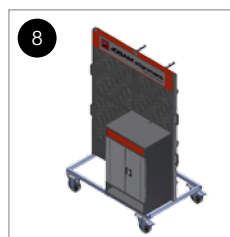
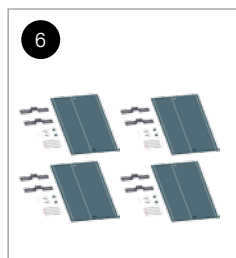
# SCANIA WHEEL ALIGNMENT - I-TRACK, 15969

Electronic wheel alignment and diagnostic tool  
(trucks, buses and combined vehicles)



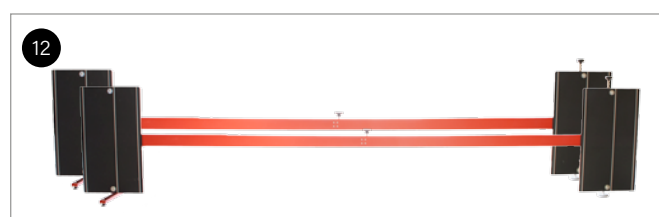
JOSAM EQUIPMENT/KITS 1-11 ARE INCLUDED WHEN ORDERING 15969:

Item #	Qty	Ref nr	Name
1	2	JT731	Measuring heads bluetooth
2	1	JT693	Software i-track
3	2	JT603	Charger
4	10	JT636 B	Wheel adapter
5	4	JT703	Post including floor anchor
6	4	JT 640-1 A K	Measuring Scale
7	4	AM268 A	Non-friction plate
8	1	ES530	Storage basic kit trolley
9	1	ES553	I-track add-on
10	4	ES50009	Bracket for wheel adapter
11	1	JT638	Steering wheel lock



OPTIONS FOR MOBILE WORKPLACE AND TRAILER MEASUREMENT

Item #	Qty	Ref nr	Name
12	1	JT717	Additional kit, mobile targets scales
13	1	JT 5000TRAILER OPT	Additional kit for trailer/setup for workplace





# JOSAM cam-aligner


## Heavy vehicle wheel alignment with camera technology

Enabled by the unique rolling method, toe and camber measurements may be taken while the vehicle is in driving position. No lifting of the axles with run-out compensation is required, alternatively the system can also be operated with standard run-out procedure.

Wireless technology is used for transmitting data between measuring units and the computer. The computer software guides the user through the measuring process and prints out measurement reports of values, before and after alignment.

**JOSAM EQUIPMENT/KITS 1-6 ARE INCLUDED WHEN ORDERING 15825:**

2



The image shows two red circular floor mats and a red metal frame with four legs and casters. There are also several small white plastic feet scattered around the frame.



Item #	Qty	Ref nr	Name
7	1	CA ALU K	Additional kit for aluminum rims
8	2	17323	Storage support for magnet wheel adapter
9	1	CA MULTI K	Additional kit for multi axle
10	1	CA BUS K	Additional kit for buses
11	1	CA ANGLE K A	Additional kit for inclinometer





## SCANIA WHEEL ALIGNMENT - CAM-ALIGNER UPGRADE A, 74320



Electronic wheel alignment (trucks) upgrade from Laser AM -> Cam-aligner

Item #	Qty	Ref nr	Name
1	1	CA 2011 K	Cam-aligner upgrade kit for JOSAM laser AM



## SCANIA WHEEL ALIGNMENT - CAM-ALIGNER UPGRADE B, 74321



Electronic wheel alignment (trucks) upgrade from Truckaligner I & II -> Cam-aligner

Item #	Qty	Ref nr	Name
1	1	CA 2012 K	Cam-aligner upgrade kit for JOSAM truckaligner I/II







## JOSAM laser AM

### Manually operated wheel alignment system

The JOSAM laser AM system stands for precise wheel, axle and frame alignment at a relatively low investment. This reliable equipment can measure the wheel angles of trucks, coaches, semi-trailers, full-trailers, mobile cranes and other heavy vehicles and also check the vehicle's chassis or other frame constructions in a simple way.

The system is based upon laser technology and uses the geometric centerline as its reference. Measuring scales are moved out from the centerline and are targeted by a laser projector which in turn is mounted on a wheel adapter on each side of the axle which is measured.

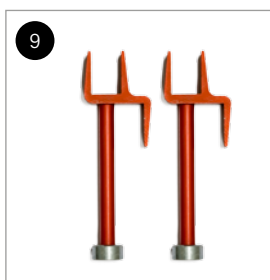
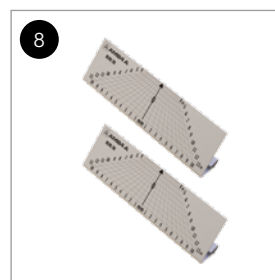
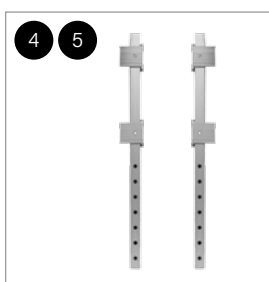
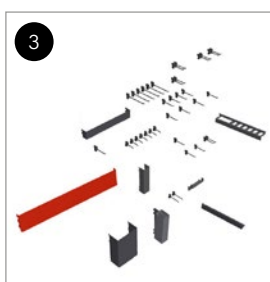
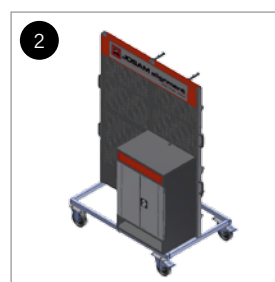
# SCANIA WHEEL ALIGNMENT - LASER AM, 15824



## Manual wheel alignment (trucks and trailers)

JOSAM EQUIPMENT/KITS 1-9 ARE INCLUDED WHEN ORDERING 15824:

Item #	Qty	Ref nr	Name
1	1	AM BASIC K	Toe and camber kit BASIC
2	1	ES530	Storage basic kit trolley
3	1	ES551	Storage, laser AM add-on
4	1	AM1227-1 A	Magnet bracket f frame, right
5	1	AM1227-2 A	Magnet bracket f frame, left
6	2	TC-1029	Magnet bracket for frame gauge
7	1	AM542	Spirit level 1000mm
8	2	AM84 A	Sliding scale for AM34A mm/M
9	2	AM98 K	Hanger for spirit level 160mm





# Technical information

## JOSAM i-track

Description	Specification
<b>Measuring range</b>	
Toe	$\pm 25^\circ$
Camber	$-5^\circ \dots +10^\circ$
Caster	$\pm 20^\circ$
KPI	$\pm 20^\circ$
Max. turn	$60^\circ$
<b>Measuring accuracy</b>	
Toe	$\pm 0.25 \text{ mm/m}^*$
Camber	$\pm 3 \text{ min}^*$
Operational time	12 h**
Charging time	5 h
Computer requirements	See latest updated information on <a href="http://www.josam.se">www.josam.se</a>

\* For each measuring head

\*\* On fully charged batteries

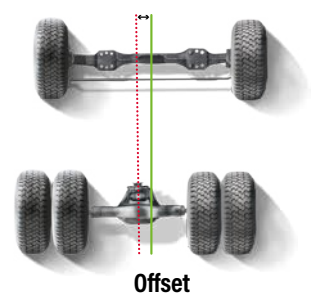
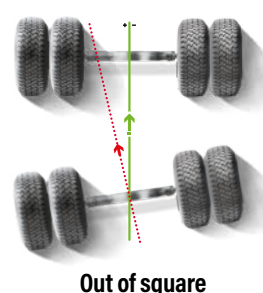
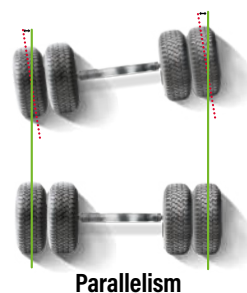
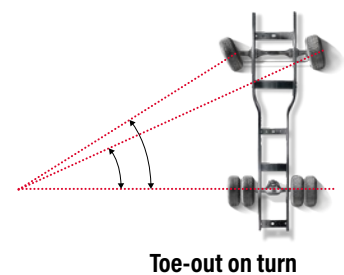
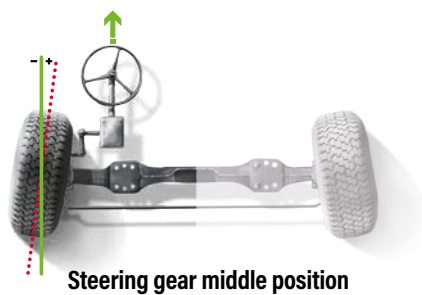
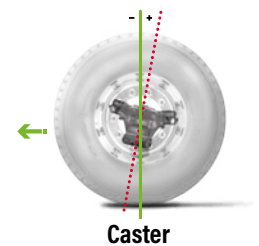
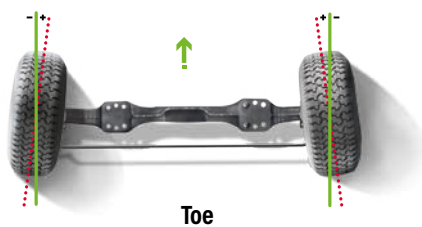
## JOSAM cam-aligner

Description	Specification
<b>Measuring range</b>	
Toe	$\pm 40 \text{ mm/m}$
Camber	$\pm 6^\circ$
Caster	$\pm 20^\circ$
KPI	$\pm 20^\circ$
Max. turn	$65^\circ$
<b>Measuring accuracy</b>	
Toe	$\pm 0.2 \text{ mm/m}^*$
Camber	$\pm 3 \text{ min}^*$
Operational time	14 h**
Charging time	3 h
Computer requirements	See latest updated information on <a href="http://www.josam.se">www.josam.se</a>

\* For each camera

\*\* On fully charged batteries

**The Scania Wheel Alignment systems can measure these wheel angles:**





**JOSAM is represented all over the world.  
To find your nearest distributor, please visit [www.josam.se](http://www.josam.se)**

*Scania is a trademark of SCANIA CV Aktiebolag*

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*Representative:*

*Manufacturer:*

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