

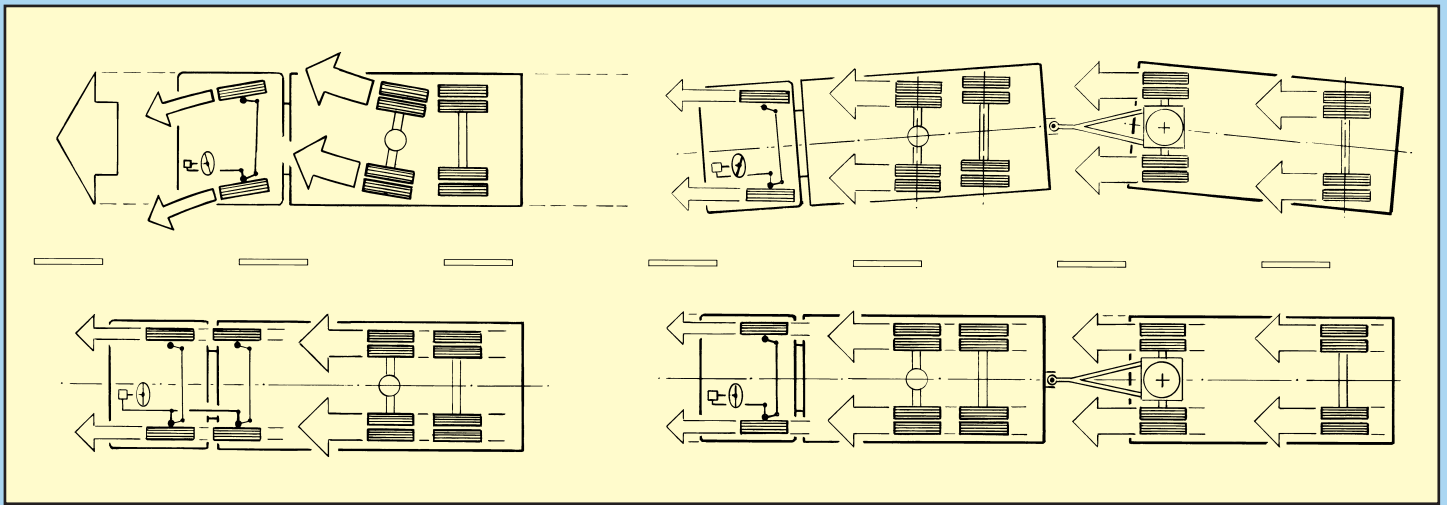
OPTO PLUS 202-HDX2

Wheel aligner for commercial vehicles



- *202-HDX2 – Electronic Model*





When a driver directs the truck straight ahead he assumes that the wheels also roll straight ahead. But some of the rear wheels can be rolling in another direction if the axles are not aligned correctly to the centerline of the truck. The effect of misalignment will be an increase in the roll resistance which also increases fuel consumption and tire wear. Misalignment can also impair the traffic safety of the truck. It is especially important that trucks with trailers have parallel rolling wheels



Direct measurement of all wheel angles in degrees and minutes independent of wheel base and axle distance or in millimeters.

No calculations are necessary.

During adjustment all values are directly indicated on the scales or displays, and the measurements are not influenced by a bent frame or offset axles.

Measurements can be performed based on the geometric centerline of the wheels, or the centerline of the frame.

Measuring on the right and left side simultaneously.

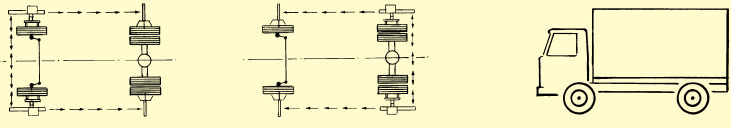
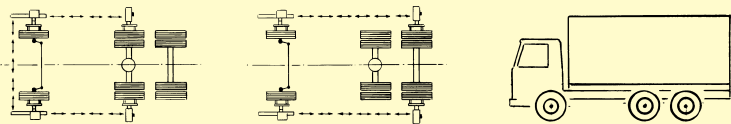
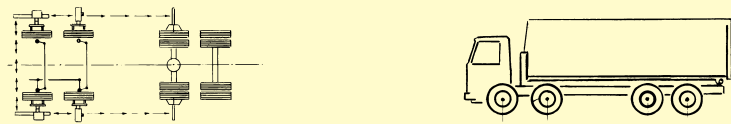
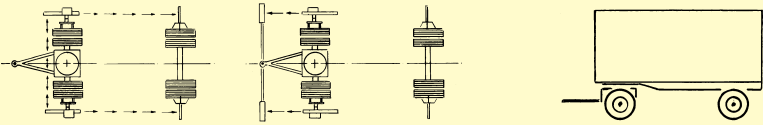
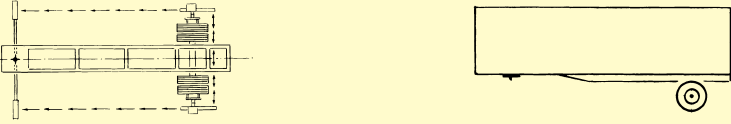
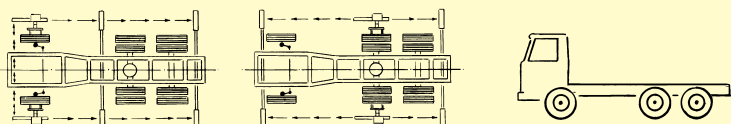
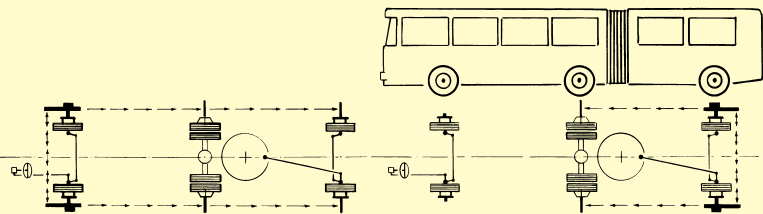
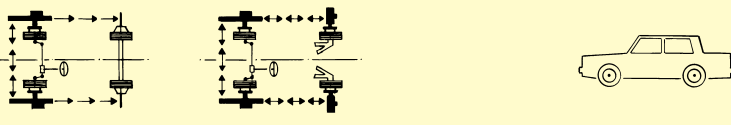
202-HDX2 is the basic model for measuring Toe angles as well as Camber, Caster and KPI.

The **202-HDX2** is equipped with laser beams for projection over long distances under bright light conditions.

By combining the 202-HDX2 with different optional accessory packages, any alignment job can be performed on trucks, buses, trucks with twin steering axles, articulated vehicles and trailers – as shown on the next page.



ALIGNMENT OF COMMERCIAL VEHICLES

Equipment	Situation	Description
202HD BASIC		Front and rear wheel alignment on vehicles with two axles.
202HD BASIC +037000 or +038000		Wheel alignment on vehicles with more than two axles using retro mirror kit 037000 or 038000 for measuring Toe-angles on all wheels.
202HD BASIC +038000		Measuring on vehicles with twin steer axles using retro mirror kit 03800 for measuring Toe-angles on all wheels.
202HD BASIC +039100 +039400		Alignment of wheels and Toe-eye on Trailers using alignment bar kit 039100 and 039400.
202HD BASIC +039200 +039400		Alignment of wheels and kingpin on Semitrailers using alignment bar kit 039200 and 039400.
202HD BASIC +039400 +040100		Alignment of wheels and chassis versus frame centerline using alignment bar kit 039400 and 040100.
202HD BASIC +046000 +001180		Alignment of articulated vehicles using kit 046000.
202HD BASIC +042000 or +043000		Using accessory kit 042000 for 2-wheel or kit 043000 for 4-wheel alignment on passenger cars with 12"-17" wheels.

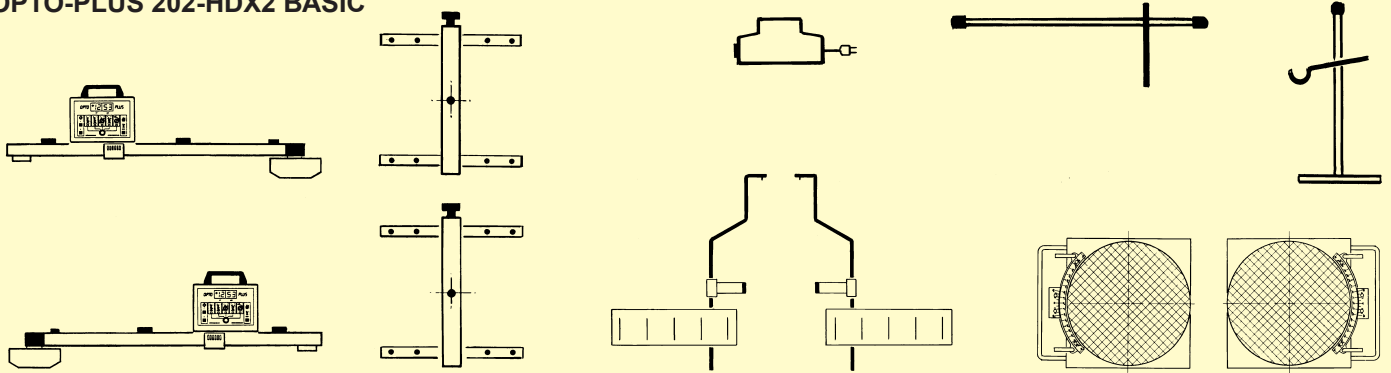


With the self centering frame check tool 039400 and 040100, the chassis and axles can be easily checked



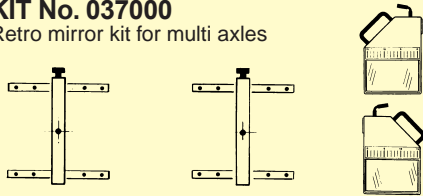
The trolley ensures easy transport of equipment and allows for safe storage

OPTO-PLUS 202-HDX2 BASIC



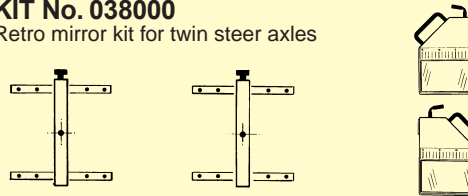
KIT No. 037000

Retro mirror kit for multi axles



KIT No. 038000

Retro mirror kit for twin steer axles



KIT No. 039400

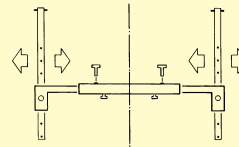
Alignment bar



KIT No. 039100
Trailer tow-eye adaptor

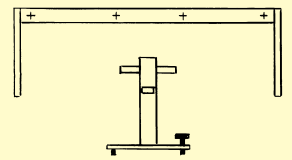


KIT No. 039200
Trailer king-pin adaptor



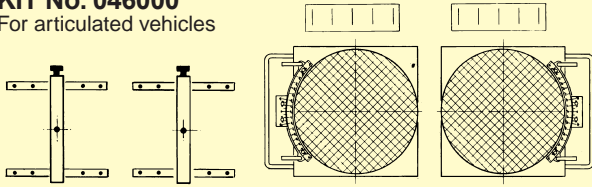
KIT No. 040100
Self centering frame adaptor

Checking tool No. 035000



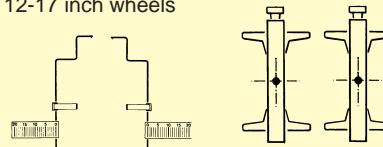
KIT No. 046000

For articulated vehicles

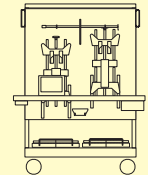


KIT No. 042000

For 2-wheel alignment on cars with 12-17 inch wheels

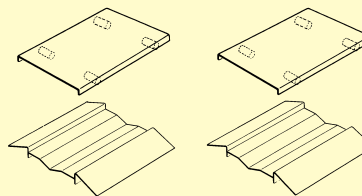
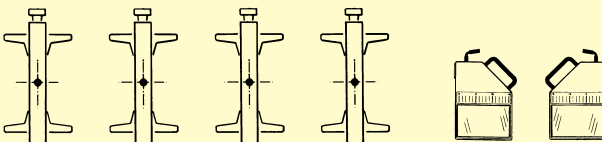


Trolley No. 013200

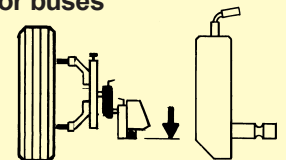


KIT No. 043000

For 4-wheel alignment on cars with 12-17 inch wheels



100 mm drop arm for buses



Technical Data for Model 202-HDX2

Individual Toe	-2°/-10mm	to	+2°/+10mm	*Caster adjustment	-6°	to	+6°
Toe total	-4°/-20mm	to	+4°/+20mm	Turning Angle	-55°	to	+55°
Set Back	-60mm	to	+60mm	Wheelsize	15"-22"		
*Camber	-6°	to	+6°	Max. individual wheel load	4 tons		
*Caster	-18°	to	+18°	Power Requirement	110/220V 130 W		
*King Pin	-18°	to	+18°				

Distributor:

