



Mercedes-Benz

Form 4642T, 05/03
Supersedes 4642T, 09/01

Approved Alignment System ***For Mercedes-Benz USA Retailers***



Customized to Meet the Specific Requirements for Aligning Mercedes-Benz Vehicles

Approved Alignment System Includes:

- HTA-MB Alignment Console Package
 - Mercedes-Benz approved software and specification database
 - DSP306L-E Sensors
 - Electronic Turnplates and other M-B specific items
- MKS Alignment Rack

HUNTER
Engineering Company

HTA-MB Alignment Console Package for Mercedes-Benz Retailers



*HTA-MB console
shown above*



Ride Height measurements are taken with a Mercedes-Benz Electronic Level Gauge (available from MBUSA) and downloaded into the aligner through the built-in serial interface.

The HTA-MB Alignment Console Package, designed according to Mercedes-Benz specifications, combines the most advanced computer technology with customized Hunter WinAlign® Alignment Software and specification databases.

HTA-MB Package Includes:

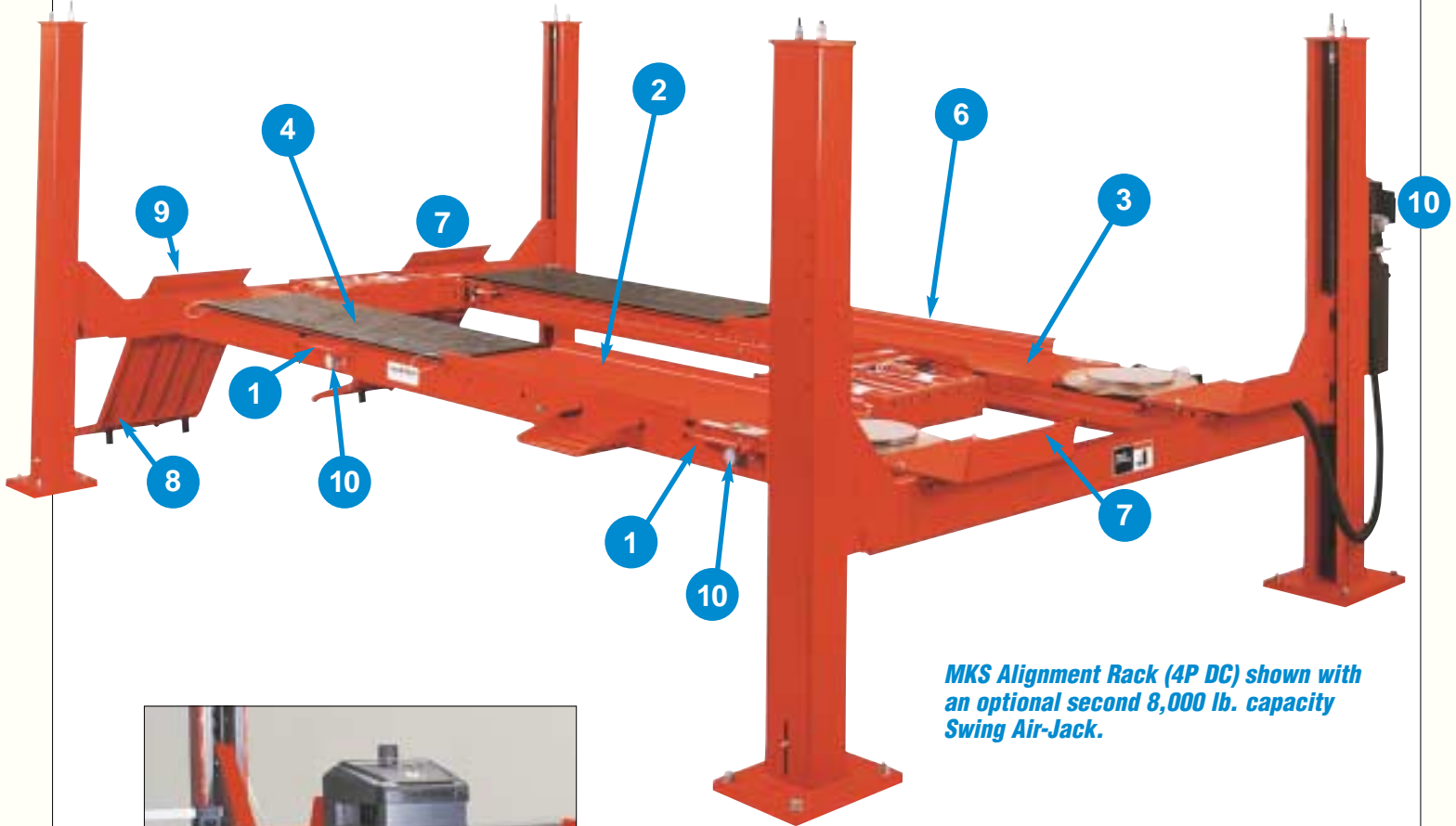
- DSP306L-E Sensors
- Electronic Turnplates
- Cable Kit for connecting to a Mercedes-Benz approved MKS alignment rack
- Offset adaptors used to clear spoilers
- Sensor Calibration Kit*
- Storage panel and Interface Cable Kit for Mercedes-Benz Electronic Level Gauge

4-Post MKS Alignment Rack

Hunter's MKS Alignment Rack combines a 158" four wheel alignment wheelbase, 22 1/2" runway width and 12,000 pound capacity to provide full service capability for a wide range of Mercedes-Benz vehicles.

- **Multi-service use, no floor obstructions**
Floor area is clear for technician, tools and equipment.
- **Locks at any of 20 heights**
Locks at a maximum 70" runway height. Alignment level is set at 1 mm for any of the 20 lock positions; leveling legs are not needed.
- **Fully equipped for four-wheel alignment**
Full floating rear-wheel slip plates allow the vehicle's rear suspension to be "relaxed" for maximum alignment accuracy. Includes built-in turnplate pockets and spacer kit with tethered lock pins.

1. Includes Mercedes-Benz compliant MKS Alignment Sensor Brackets (set of four).
2. Extra-wide 22 1/2" runways handle a wide variety of passenger cars, light and medium trucks.
3. Runways are heavy-duty 5/16" steel, compared to commonly used 1/4" or 11/64" lighter weight materials.
4. Full floating, 80" long rear wheel slip plates included.
5. Standard 8,000 lb. capacity Swing Air-Jack adds capability of lifting vehicles off the runways during alignment procedures. Includes one Center-Lift Jack Adaptor.
6. Built-in rub rails add drive-on safety.
7. Front and rear wheel stops and two wheel chocks (not pictured) are standard.
8. Two-stage, heavy duty gusseted rear ramps automatically flip up to act as wheel stops. Wheel rollers won't damage floor. Low approach angle for low-ground clearance vehicles.
9. Louvered ramps prevent wheel spin, are more effective than diamond tread or abrasive strips in wet weather.
10. Integral Harting Rack Wiring Kit and air kit included.



MKS Alignment Rack (4P DC) shown with an optional second 8,000 lb. capacity Swing Air-Jack.



DSP306L-E Sensors mounted on MKS Alignment Sensor Brackets.



HTA-MB Specifications:

Hardware (Series S811) Effective 03/03

1.7 GHz processor (minimum)
128 MB RAM
DVD-ROM Drive
40.0 GB Hard Drive (minimum)

Software:

Mercedes-Benz approved software and specification database (2 years free specification database updates)
WinAlign® software and Windows® XP

Standard Equipment:

- 17" UVGA color monitor
- DSP306L-E sensors
- Color Printer
- Electronic Authorization Key for MB software
- Interface Kit for MB Electronic Level Gauge
- Electronic turnplate kit (20-1573-1)
- Harting 5 Cable Kit for connecting to a MB MKS equipped rack (20-1374-1)
- 50mm Offset adaptor (set of 2) (20-1394-1)
- Sensor Calibration Kit (required for the calibration of DSP306L/308L sensors used with HTA-MB alignment systems)* (221-652-1)

Options:

Mercedes-Benz approved Quick Clamp Adaptor
175-215-1 (four required)

Console Options:

S811-17-MB S-Style 811 with 17" UVGA color monitor
S811-19-MB S-Style 811 with 19" UVGA color monitor
R811-17-MB R-Style 811 with 17" UVGA color monitor
R811-19-MB R-Style 811 with 19" UVGA color monitor

Sensor Options:

DSP308L-E DSP308L sensors with rear toe arms
DSP306L-HFSS Cordless DSP306L sensors
DSP308L-HFSS Cordless DSP308L sensors with rear toe arms

Because of continuing technological advancements, specifications, models and options are subject to change without notice.

WinAlign is a registered mark of Hunter Engineering Company.

*The calibration fixture is required unless the retailer agrees to have Preventative Maintenance visits performed by Hunter Service Representatives.

MKS Rack Specifications:

Maximum Vehicle Gross Weight 12,000 lbs.
Maximum Wheelbase
- **General Service** 188 1/2"
- **4-Wheel Alignment** 158"
Minimum 4-Wheel Alignment Wheelbase 88"
Tread Width
- **Minimum Inside Tires** 40"
- **Maximum Outside Tires** 85"
Alignment Height Any of 20 Lock Positions, in 2 3/4" Increments
Maximum Height 70"
Electrical Requirements 208/230 Vac, 1 Ph. 50 Hz/60 Hz
Shipping Weight 6,000 lbs.
Air Requirements 80 lbs. psi (Minimum)
Raise Time 44 seconds

Standard Equipment:

- Built-in air line kit
- MKS Brackets
- Harting Rack Wiring Kit
- Two 2-stage approach ramps
- Two rear ramp stops, two front wheel stops
- Two wheel chocks
- Moveable clip-on Work Step with skid protection
- Built-in rub rails
- Built-in full-length jack rails
- Built-in electronic turnplate pockets
- Lubricator/Air Filter with Auto Drain

Model:

4P DC 4-Post, 12,000 lb. capacity, 3 HP with 8,000 lb. capacity Swing Air-Jack

Options:

133-62-1 8,000 lb. capacity Swing Air-Jack
51-1696-1 Work step
133-63-1 4,500 lb. capacity Power Jack
133-35-1 4,500 lb. capacity Swing Air-Jack

Visit our Web site at www.hunter.com

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