GSP97MB Road Force Touch®

Customized Mercedes Benz Vehicles

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NEW!





Shown with HammerHead®, printer and storage shelf options



Road Force[®] test and balance FASTER than a traditio

Measure Road Force on every customer wheel WITTOUT A TIME RENAMA

Road Force Touch® Balance Cycle



Road Force $\mathsf{Touch}^{\texttt{®}}$ balance starts when hood is lowered



NEW!

Load roller measures Road Force while technician prepares correction weights



Traditional Balance Cycle



Balance starts when hood is lowered



Technician prepares correction weights

nal balancer





Intuitive touchscreen simplifies balance experience



Touching weight value servos wheel to weight location



Rim cutaway displays selected weight mode



Simple buttons launch less frequently used functions





One touch to display rim dimensions

TruWeight[™] provides live navigation through selection and placement of wheel weights



SmartWeight[®] panel displays wheel balance condition



optimize assembly

See predicted improvement in one glance and how to do it

Road Force Measurement® interface at a glance



116 - 125 N P Limits

Road Force panel displays assembly value and limits

Helpful animation explains conditions

Live rim and tire conditions shown on-screen



Color-coding allows operator to visualize Road Force variations

Road Force Measurement® solves common vibration

Problem / Solution



Your customer complains about a vibration...

Vibration problems are common and service bulletins recommend the Road Force Touch to solve them.

A simulated road test pinpoints the problem



The Road Force Touch balancer identifies the tire and rim contributions to radial-force vibration problems



Specialized sensors detect the vibration



The Road Force Touch balancer detects radial forces with sensitive instruments

problems

Hold the tire and rotate the rim



Match-mounting the stiffest point on a tire to the low spot on a rim makes the assembly roll as round as possible

Your customer leaves with a "new car ride"!



 Your customer experiences a smooth ride on the same tires and wheels





* Patent pending

Revolutionary SmartWeight® by the numbers



Modern vehicles are 4 times more sensitive to static vibration forces than couple or dynamic forces.

25

SmartWeight saves 25 labor hours per year with efficient weight applications.*



SmartWeight can save **30%** or more in correction weights.



Avoid an average of 66 comebacks per year by using SmartWeight.**

202 An average shop saves 202 kilograms per year with SmartWeight.***



Watch Your Investment Grow!

 See weight and labor savings based on your shop's numbers

SmartWeight® Balancing Technology



- Time-savings are calculated from comparing single- and no-weight applications when using SmartWeight versus the typical two-weight application of standard balancers.
- ** Comeback avoidance is calculated based on residual static imbalance left by standard balancers versus SmartWeight balancers.
- *** Calculations based on 10 vehicles per day in a standard working year. Performance differences are those of a SmartWeight-equipped balancer vs. a traditional wheel balancer.

EXELUSIVE On-screen instruction makes everyone an expert!

High-definition videos instruct on a variety of balancing and tire changing topics.

- Covers basic techniques to more advanced procedures
- ✓ Instant access, easy navigation
- On-site training for your technicians



Technicians are guided with helpful tips and timesaving procedures.

Additional features make balancing faster and easier



Live 3D Graphics

Interactive display intuitively guides technicians through balancing procedures.



Bottom-Dead-Center Laser

Automatically locates bottom-dead-center for adhesive weight application.



Most durable shaft in the industry

Consists of a superior alloy to resist wear and sustain long-lasting service.



Servo Stop drive control

Automatically rotates and holds wheel at top-deadcenter or bottom-dead-center weight locations.



Integrated Inflation Station

Provide proper inflation pressure with convenient automatic controls.



TranzSaver[™]*

Compares tire circumferences as specified by original equipment manufacturers to prevent damage to All Wheel Drive (AWD) vehicles.



CenteringCheck®

Balancer will tell you if the wheel is properly centered before you proceed with the work.



Quick Cal-Check

Quickly verify balancer calibration in seconds without the use of a reference wheel.



Automatic Mode Detection

Eliminate the need to select the balance mode and reduce service time and possible mode entry errors.



Split Spoke® / Split Weight® Modes

- ✓ Locates best "out of sight" adhesive weight position
- Offers multiple weight placement choices to avoid obstructions



SmartSpoke®

Locates optimal adhesive weight location behind one wheel spoke instead of multiple weights and spokes.



Foot Pedal Data Entry

Multi-function pedal activates data entry, locks spindle during tightening or loosening of wing nut

Popular features for Mercedes Benz dealerships



Integrated wheel lift option

- ✓ Safely service heavy, oversized wheels
- Precisely center all wheels
- Integrated construction saves space, reduces added time and expense associated with stand-alone lift units

PATENNEE HammerHead® top-dead-center laser option

- ✓ Greater weight placement accuracy to avoid mistakes
- ✓ More single-spin balances improve productivity
- ✓ Overhead fluorescent light illuminates work area





Incorrect

Correct

Printer kit with storage shelf option

OPTIONA

- Print Road Force Measurement[®] test results
- Win more approvals with clear and informative printouts





On-screen entry of customer and vehicle information included in printout summary.

Wheel clamping options

The Road Force Touch balancer is offered with one of the following factory-installed wheel clamping options. See the model configuration chart below for ordering information.



Pneumatic AutoClamp

- Clamp wheels automatically
- ✓ Save time and effort
- Eliminate wing nut



Quick-Thread wing nut

- Automatically takes up any unused spindle threads
- Eliminates wing nut hand cranking



Standard wing nut

- Forged steel wing nut with handles
- Provides high-torque manual clamping

	RFT00MBE	RFT10MBE	RFT20MBE	RFT30MBE	RFT40MBE	RFT50MBE
Pneumatic AutoClamp			_	1		
Quick-Thread wing nut					1	
Standard wing nut						
Wheel lift system						
Width (W)	1435 mm 56.5 in	1676 mm 66 in	1435 mm 56.5 in	1676 mm 66 in	1435 mm 56.5 in	1676 mm 66 in
Height (<mark>H</mark>)	1854 mm ^{73 in}					
Depth (D)	1575 mm _{62 in}					
Weight	270 kg 596 lb	342 kg 755 lb	288 kg 636 lb	346 kg 762 lb	270 kg 596 lb	342 kg 755 lb





Hunter offers hundreds of accessories to customize your balancer to your service needs.

See Form 3203-T for more information.

Models

Specifications



Power Requirements	196-253V, 10 amp, 50/60 Hz, 1 ph		
Air Supply Requirements	7-12 bar (100-175 psi)		
Roller Force	Variable up to 567 kg (1,250 lbs)		
Capacity			
Rim Width	38 mm to 521 mm (1.5 in to 20.5 in)		
Rim Diameter	254 mm to 762 mm (10 in to 30 in)*		
ALU	356 mm to 1118 mm (14 in to 44 in)*		
Max. Tire Diameter	1016 mm (40 in)		
Max. Tire Width	508 mm (20 in)		
Max. Tire Weight	79 kg (175 lbs)		
Radial and Lateral Runout Accuracy	0.05 mm (0.002 in)		
Imbalance Resolution	± 0.28 g (0.01 oz)		
Placement Accuracy	512 positions (0.7°)		
Balancing Speed	300 rpm		
Motor	Programmable drive system and DC motor		

RFT10MBE shown with optional HammerHead," printer and storage shelf

Standard accessories



A	106-82-2	Scratch guard sleeve
B	175-353-1	Polymer cup
C	46-653-2	Performance wheel and light truck spacer
D	221-658-2	Nylon hammer heads (4)
Ε	46-320-2	Spacer
F	221-589-2	Weight hammer/pliers
G	223-68-1	Pressure ring
Η	20-1650-1	Rim tags
L	221-659-2	Adhesive weight scraper
J	65-72-2	Calibration weight

Standard precision centering accessories



- A 175-296-2 Clamp Cup Adapter, 223 mm (9 in.)
 - 106-127-2 Clamp Cup Sleeve, 223 mm (9 in.)
 - 192-132-2 Centering Cone, 64 to 74 mm (2.5 to 2.9 in.)
- D 221-672-1 Balancer Arm Calibration Tool

* Extreme wheel sizes may require manual data entry.

B

C



www.hunter.com

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

11250 Hunter Drive, Bridgeton, MO 63044 USA Tel: +1 314-731-3020 Fax: +1 314-731-0132 Email: international@hunter.com

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