

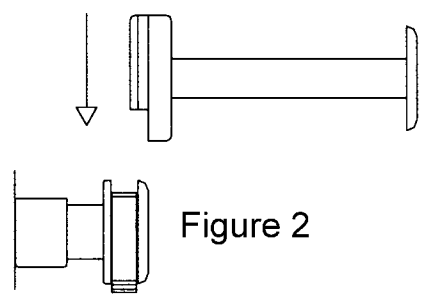
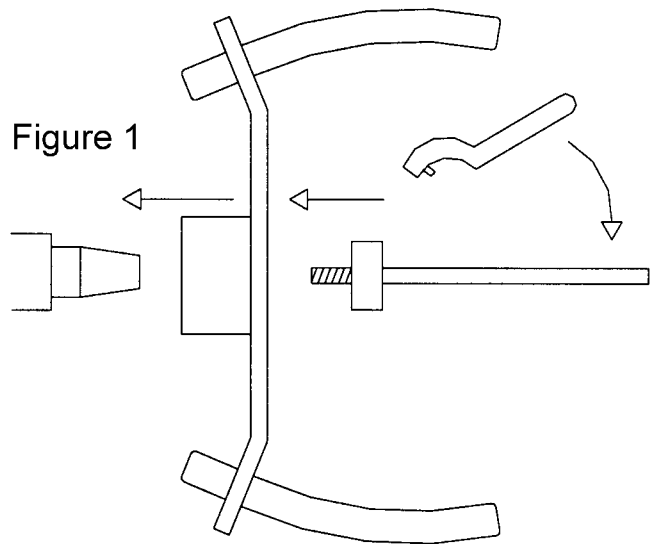
SUPPLEMENTAL INSTRUCTIONS FOR THE GEODYNA 2300M

Complete operation is explained in the “Geodyna 2300” Manual. Motorcycle wheels are balanced after attaching the special “m” adapter.

- Attach the adapter
 - Clean the taper on the shaft, and inside the adapter bore .
 - Slide adapter body onto shaft, then thread the adapter shaft into place and secure with supplied wrench, Fig 1.
- The distance gauge extension should already be attached to the contact disc, Fig 2.

The following tips further explain balancing motorcycle wheels

- one plane = static
two plane = dynamic
- Switched on the balancer is setup to operate in the static mode.
- To switch between modes (static and dynamic) press the S/D button
- Only wheels wider than 4” may be balanced the dynamic mode.
- All wheels less than 4” wide must be balanced only in the static mode.
- When balancing in the static mode only the wheel diameter need be entered into the computer.
- When balancing in the dynamic mode wheel diameter, width and distance must be entered into the computer.
- Always make a check spin after attaching the balance weight (s) to the wheel to check the balancing results.
- If using centering bushing it may not be necessary to use the lock nut to tighten the wheel adapter components. The tread clamps are sufficient.



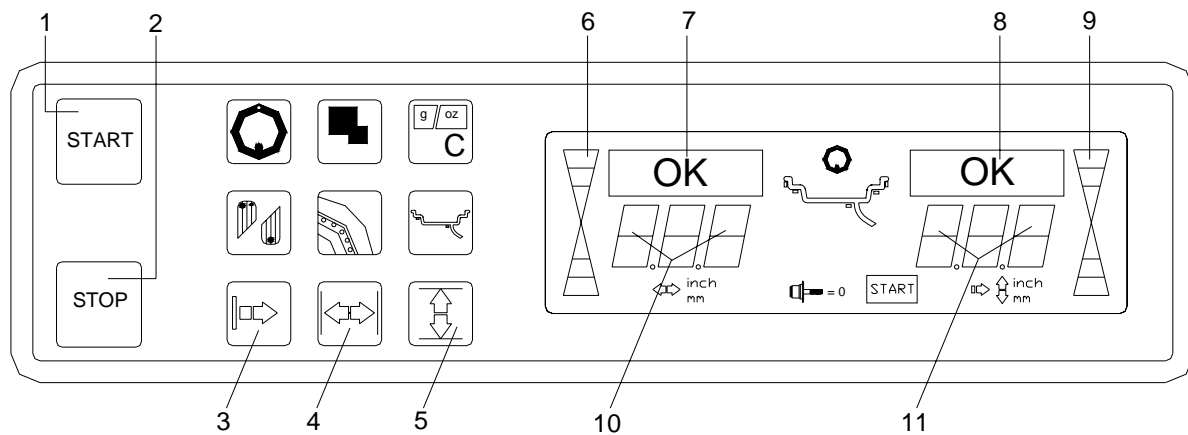
Supplemental Operating Instructions for the Geodyna 2300M

Review the Geodyna 2300 operating instructions and make sure to follow all safety warnings.

Standard Static Balancing

Use to balance wheels smaller than 4" wide. This technique uses one corrective weight attached in one plane, usually in the center of the wheel.

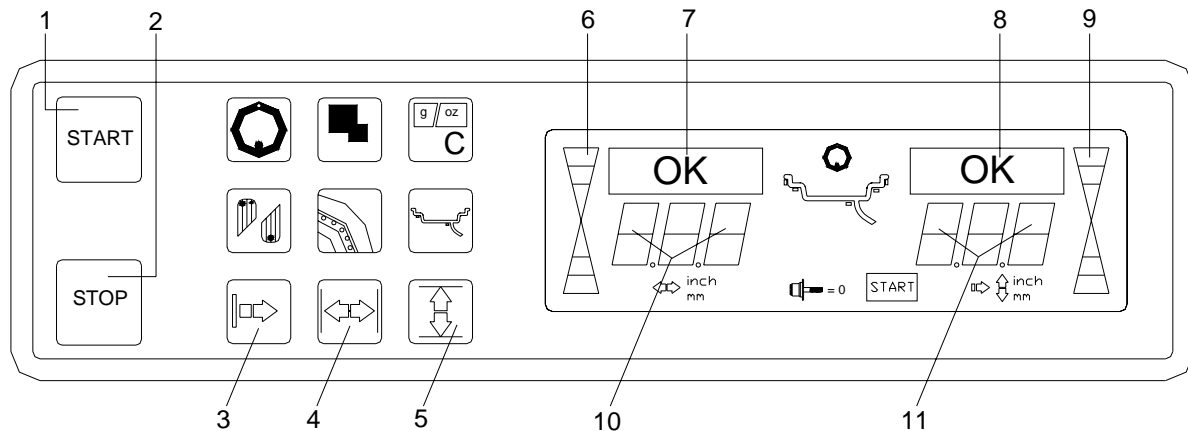
- 1) Mount the wheel assembly on the machine.
- 2) Enter the wheel diameter. (Ref #5)
Take the reading shown on the side of the tire, press and hold the #5 key, rotate wheel until the desired value is displayed, then release the key.
- 3) Press the "START" key (ref.#1), to initiate unbalance measurement. At the end of the measuring run, the balancer will bring the wheel to a complete stop.
- 4) The display will then show the calculated unbalance, (ref. #10), and location, (ref. #6 & #9). Turn the wheel to the position indicated and apply the calculated weight at top dead center.
- 5) Press the "START" key to initiate another unbalance measurement to check if no error was made. If all is correct the OK indicators (ref. #7 & #8) will light up.



Special Dynamic Balancing

Use to balance wheels that are wider than 4". This technique uses two corrective wheel weights, one in each plane. Sometimes these weights are clipped to the left and right edge of the wheel, other times adhesive weights are used.

- 1) Mount the wheel assembly on machine.
- 2) Enter the wheel dimensions.
 - a) Machine to rim distance (ref. #3);
Slide out the distance gauge tip to touch against the wheel, and hold until a beep. Distance dimension is entered entered automatically.
 - b) Rim width (ref. #4);
Measure the rim width with the supplied gauge, then press and hold key #4, rotate the wheel until the desired value is displayed, then release the key.
 - c) Enter the wheel diameter. (ref #5)
Take reading shown on the side of the tire, press and hold the #5 key, rotate wheel until desired value is displayed, then release the key.
- 3) Press "START" key (ref.#1), to initiate unbalance measurement. At the end of the measuring run, the balancer will bring the wheel to a complete stop.
- 4) The display will then show the calculated unbalance, (ref. #10 & #11), and location, (ref. #6 & #9), for both sides. Turn the wheel to the position indicated and apply the calculated weight at "TDC" (Top dead center).
- 5) Press "START" key to initiate another unbalance measurement to check if no error was made. If all is correct the OK indicators (ref. #7 & #8) will light up.



Customer Calibration Instructions for GEODYNA 2300M

If ever the balancer needs adjusting a 'Customer Calibration' may be performed.

Procedure:

- With the adapter attached to the balancer remove any wheels, cones and sleeves from the shaft (Fig. 27).
- Press and hold the 'C' key and rotate adaptor shaft until 'C14' is displayed (Fig. 28).
- Release of the 'C' key, the display indicates 'step 1' (Fig. 29).
- Press 'START' key.
- Do not touch or move the balancer after pressing the start key
- The balancer will spin, then stop and display 'step 2' (Fig. 30).
- Thread the calibration weight, p/n 6418981, into adaptor as shown (Fig. 31).
- Press 'START' key. The balancer will spin then stop, and emit a three-tone signal. The display may show any random number.
- Remove the calibration weight from the adaptor, and press 'STOP'.
- The balancer is now restored to the original factory set information and is ready to be used.

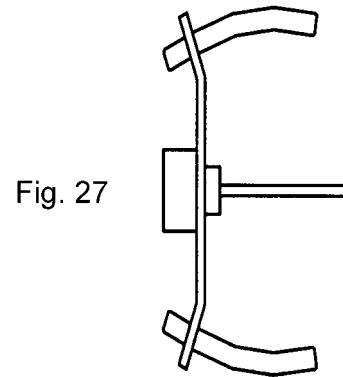


Fig. 27

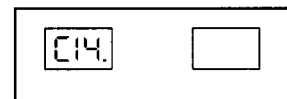


Fig. 28

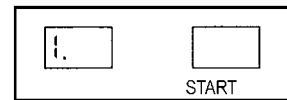


Fig. 29

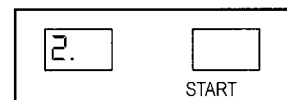


Fig. 30

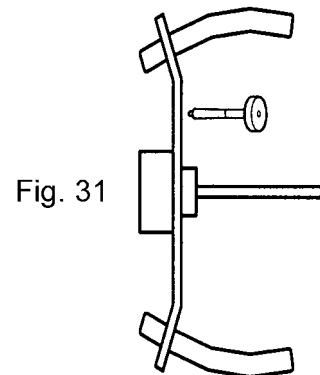
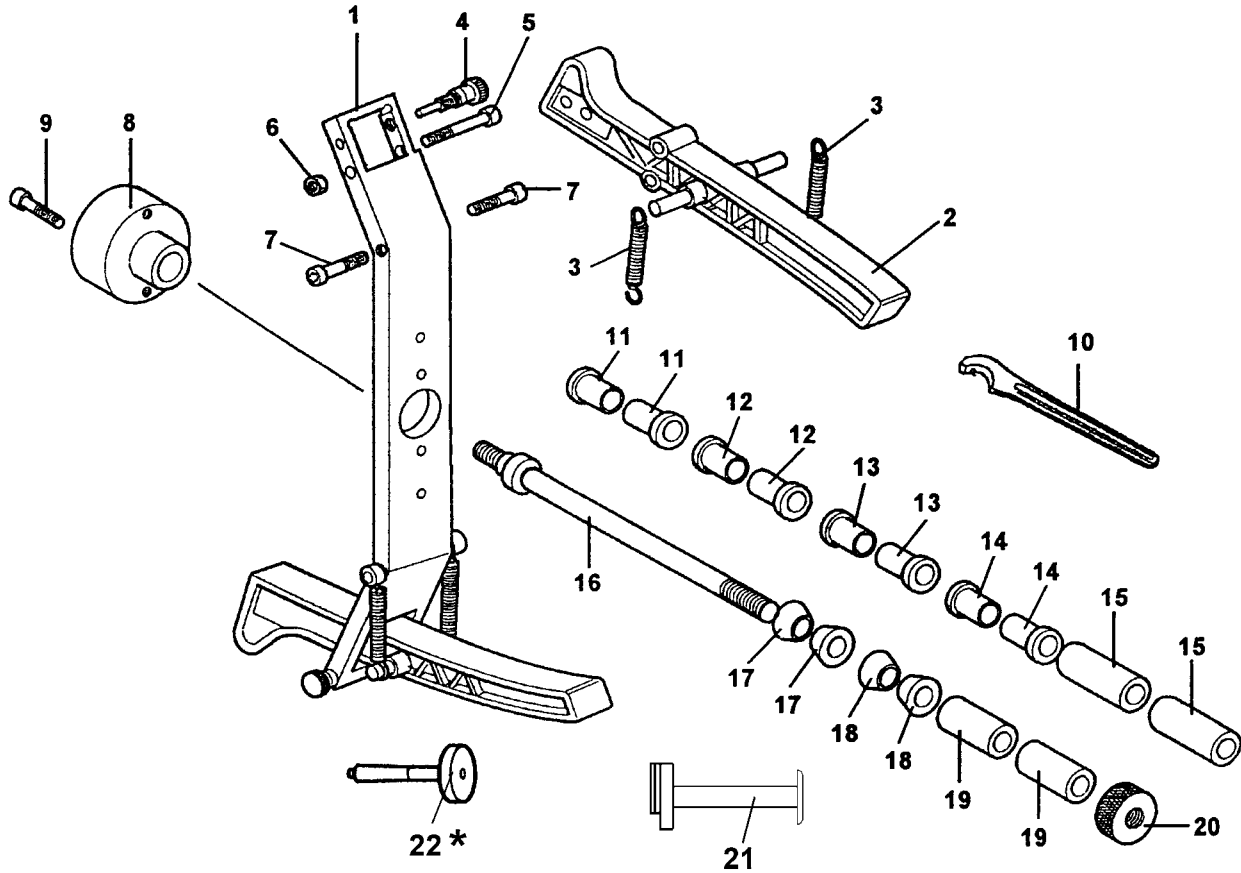


Fig. 31

Motorcycle Adapter Part #2400 551

Hofmann North American version



No.	Part no.	Description	Part no.
1	6419106	Clamping plate	
2	1921008	Clamp	3001452
3	1921011	Spring	3001456
4	1921009	Stop	4301512
5	1524053	Screw	4301515
6	1557061	Self-locking nut M6	4301514
7	1524061	Screw	4301516
8	6416371	Hub IS040	3001015
9	1510073	Flathead screw	4301563
10	1101303	Wrench	
11		Centering Bushing D15 mm	2000546
12		Centering Bushing D16 mm	2000545
13		Centering Bushing D17 mm	2000544
14		Centering Bushing 3/4"	2000543
15	6411195	Bushing 25 x 14	3001273
16	6416792	Shaft 14 mm	3001759
17		Centering cone 21-34 mm	3000596
18		Centering cone 15-24 mm	3001269
19	1921025	Bushing 20 x 14	3001274
20	1921026	Lock Nut M14	3001266
21		100 mm Gauge Extension	3000742
22*	6418981	Calibration weight, 2300	

*Indicates that it is not included with #2400551