



Marvel

Manufacturing Company

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P/N 3015 and 3037 Arbor Assembly Damping Oil

Indicator movement of the balancing arbor assembly is dampened by the dashpot action of the damping oil contained within the assembly between its outer shaft and the central suspension rod.

Should excessive oscillation of balance indications develop due to inadvertent loss of arbor damping oil, proceed as follows:

The four oil fill/drain openings in the arbor shaft (located at the 1 ½, 11, 19, and 27 inch scale positions) are sealed with button head hex socket screws. Damping oil may be added or drained through these openings. It is recommended that the opening at the 11 inch scale position be used to add oil using a pump type oil can, with the arbor in a vertical position. Use SAE 40 viscosity mineral type engine oil and fill to the level of the opening located at the 19 inch scale position.

Should complete change of damping oil be desired (usually due to “stickiness” developing from oxidation of the oil) remove sealing screws, lay the arbor on its side with two of the oil holes downward, and allow oil to fully drain. Flush the arbor assembly with a cleaning solvent such as mineral spirits (varsol) to remove any sticky deposits. Reinstall sealing screws and the 1 ½ and 27 inch scale positions and refill with fresh damping oil as previously directed.

