

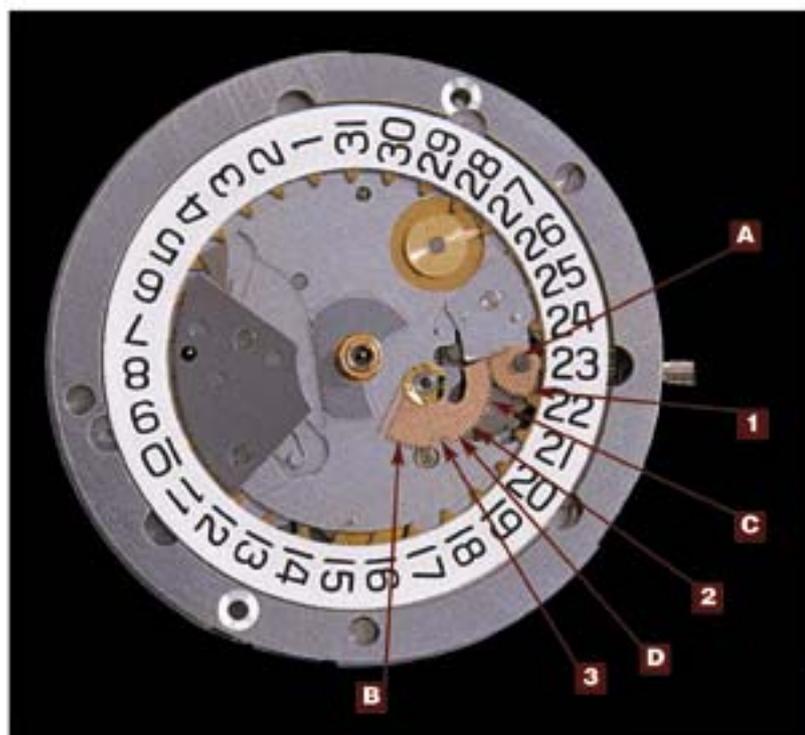
CHRONOGRAPHE RESERVE DE MARCHE

On ETA - Valjoux 7750 calibre

On the basis of the famous chronograph movement produced by ETA, Lorenz has made an interesting change, which adds the useful indication of the power reserve to the calibre base (automatic self-winding chronograph with three counters and window calendar). The mechanism produced by Lorenz is located on the dial side of the movement and makes it possible

to place an indication of the reserve at three o'clock, by means of a hand that moves on a circular sector. The power reserve hand is moved by the watch's winding barrel, using the middle differential wheelwork. There is an interesting system of movement transmission from the reserve mechanism to the hands, which are integral with the axis of rotation (A) of a toothed sector (1). This

toothed sector of the power reserve (1) engages with another particular sector (2), which is meshed with a differential mechanism of the power reserve itself, which in turn emerges through the upper bridge by means of a pignon (3). The second toothed sector (2) has an interruption between the teeth (D), which separates two toothed arcs (B and C) and acts as a limitation to the movement of the power reserve hand when the watch is at full wind power. In fact since the calibre is automatic and self-winding, even when it is at full wind power, the power reserve pignon (3) keeps rotating due to the rotor's movement (even if the winding spring slips inside the winding barrel once it is completely armed). The interruption (D) in the gear cutting of the toothed sector (2), however, keeps the power reserve hand from advancing beyond the watch's maximum autonomy.



The dial side of the Lorenz chronographic calibre, automatic and self-winding with date and power reserve, derived from ETA-Valjoux 7750. The photograph shows the visible components of the power reserve mechanism located at three o'clock. The power reserve hand is mortised on the axis (A) of a toothed sector (1).



The bottom of the Lorenz calibre derived from ETA-Valjoux 7750, chronograph with stop/go buttons (5) and zero setting buttons (6) acting on a joint with overlapping cams (4).