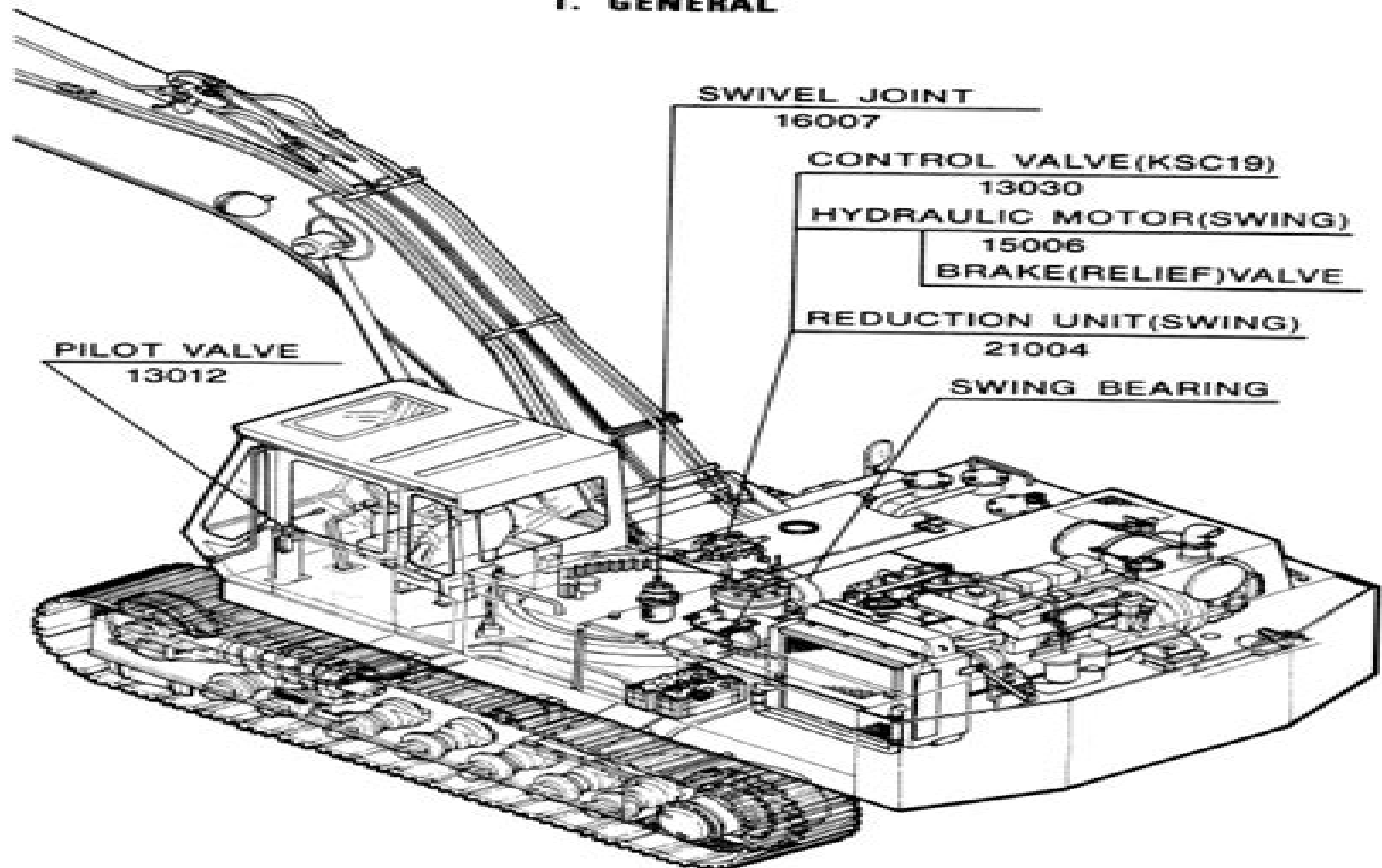


## 1. GENERAL



The swing system is designed to freely rotate or stop the upper frame on the lower frame; it comprises, in addition to the control valve, the hydraulic motor used for converting hydraulic energy into rotational force, reduction unit, bearings, swivel joints, etc.

The upper frame and the lower frame are connected by

means of the single-row ball bearings with internal gear. When the pressurized oil is supplied to the swing unit fitted on the upper frame, the pinion (output shaft) of the reduction unit rotates, and being engaged with the swing bearing gear, rotates the upper frame.

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**Caterpillar Inc. Peoria, Ill..**



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