

Flywheel Technology Symp. US Dept. Energy

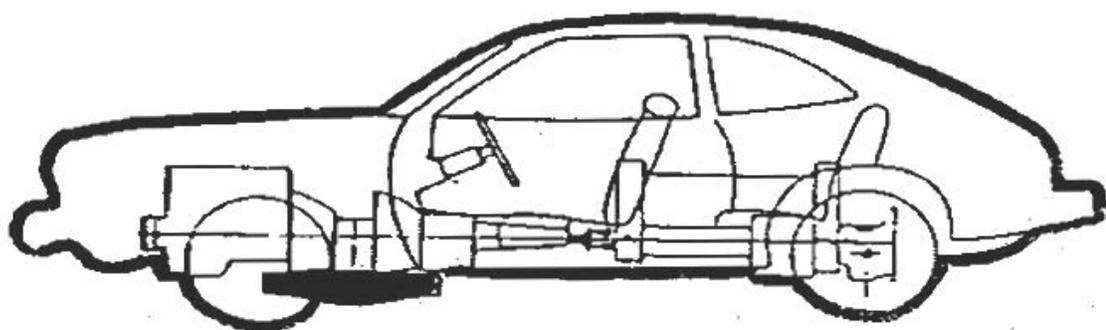


Fig. 2. Location of the Flywheel Energy Management Powerplant (FEMP) in the Pinto Chassis.

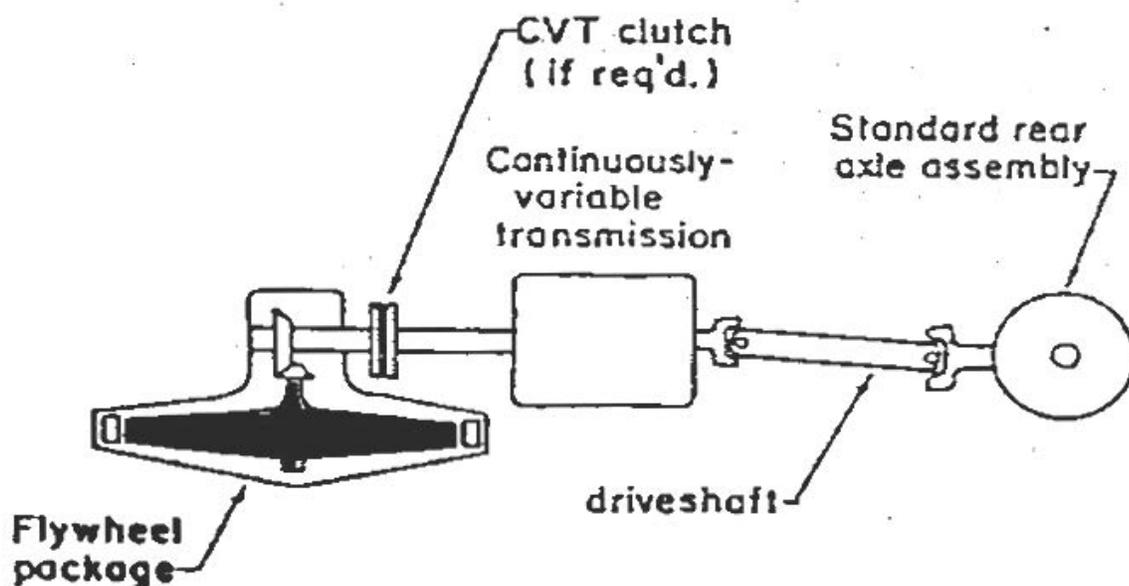


Fig. 1. Basic Configuration of a Flywheel Transmission Drive System.

	M kg	R 10^3 km	$T_{\text{spin}}^{\dagger}$	I^* kg m ²	KE [*] Rot (J)
Sun	$2 \cdot 10^{30}$	700	26 d	$4 \cdot 10^{47}$	$1.5 \cdot 10^{36}$
Earth	$6 \cdot 10^{24}$	6.4	1.0 d	10^{38}	$2.5 \cdot 10^{29}$
Crab pulsar	$3 \cdot 10^{30}$	10^{-2}	33 ms	10^{38}	$2 \cdot 10^{42}$

* assumed uniform mass density

$$\dagger \omega = 2\pi/T$$

X-ray Image:



More images at Chandra website