

## Chapter Ten

general-aviation trainer aircraft, but for the most part aircraft have hydraulically operated landing gear such as the Piper Seminole hydraulic gear system shown in Figure 10-1. There are still one or two pneumatically driven systems, and a few light aircraft use electric motors.

Functionally, most retractable landing gear systems work the same way—even an amphibious landing gear system such as that used on the Cessna Turbo Stationair 6 shown in Figure 10-2. They generally have a two-position switch for GEAR UP and GEAR DOWN. Typically there is a single red light to indicate that the gear are not down-and-locked.



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**Fig. 10-1.** PA-44-180 Seminole landing gear hydraulic system. (Courtesy of The New Piper Aircraft Company)