

chapter 1
Automotive Background and Overview

FIGURE 1.3 A chassis of a 1950s era vehicle showing the engine, drivetrain, frame, and suspension.

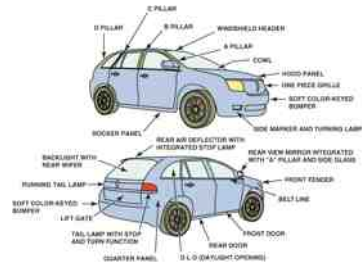


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FIGURE 1.4 Body and terms.



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FIGURE 1.5 Note the ribbing and the many different pieces of sheet metal used in the construction of this body.



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FIGURE 1.6 A Corvette without the body. Notice that the vehicle is complete enough to be driven. This photo was taken at the Corvette Museum in Bowling Green, Kentucky.



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FIGURE 1.7 A Ford flathead V-8 engine. This engine design was used by Ford Motor Company from 1932 through 1953. In a flathead design, the valves located next to (beside) the cylinders.



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FIGURE 1.8 A Monroney label as shown on the side window of a new vehicle.



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FIGURE 1.9 A dash control panel used by the driver to control the four-wheel-drive system.



FIGURE 1.10 The alternator is in the heart of the electrical system.



FIGURE 1.11 Test registration booklet that includes details on all vehicle-related certification tests given by ASE.