Table 1.—Weight composition of modern automobiles

Category and subgroup	Ratio: (component weight)/(curb weight)	
	Average value	Least value
Body: Basic structure All trim Glass Engine Automatic transmission	0. 30 . 16 . 04 . 145 . 05	0. 25 . 13 . 035 . 12 . 04
Suspension: ¹ Front Rear Wheels Tires Brakes Steering apparatus Rear axle, driveline ¹ Exhaust system Battery, electrical Radiator, full ² Fuel tank, full	. 035 . 03 . 027 . 028 . 04 . 017 . 038 . 015 . 02 . 013 . 042	. 03 . 025 . 023 . 025 . 035 . 013 . 012 . 012 . 012 . 008

¹ Front-engine, rear-drive models only.
² Water-cooled engines only.

Figure 2 shows this undifferentiability either from the interior or the exterior of the car.

Eliminating those components that are not required in electric-motor propulsion would at first give the weight composition of electric cars shown in the left-hand column of table 2. It is assumed that the least-value ratios from table 1 represent the better engineered product in current demand. But there are advantageous side effects on each of these components in going to battery operation and electric motors. Some of the weight reductions and alterations applicable to each category are also enumerated in table 2, with an estimate of the weight fraction decrease. The right-hand column shows the finally altered commonent weight of electric corm as Portions of such weight component weight of electric cars as portions of curb weight.