

TABLE 2.—*Weight composition of electric automobiles*

[Sum: 1.00 = 0.47 + X + Y]

Component	Weight ratio ¹	Alterations possible from conventional counterpart	Weight reduction fraction	Final weight ratio
Body structure-----	0.25	Gage reductions in frame and chassis allowed by redistribution of concentrated weights. Elimination of midfloor transmission hump and drive-line tunnel.	$\frac{1}{4}$	0.21
Trim-----	.13	Reduction of acoustical and thermal insulation. Simplification of dashboard furnishings and instruments. Elimination of air intake grillwork.	$\frac{1}{4}$	.115
Glass-----	.035	No alterations	0	.035
Front suspension-----	.03	Equal front/rear weight distribution. Low CG battery pack clustered near spring-body junction points.	$\frac{1}{4}$	.025
Rear suspension-----	.025	Same as above	0	.025
Wheels-----	.023	No change	0	.023
Tires-----	.025	do	0	.025
Steering-----	.013	Lighter steering mechanism from low CG, equal front and aft weight, 4-wheel traction.	$\frac{1}{10}$	.012
Electric motors-----				X
Energy storage-----				Y

¹ Least value from table 1.